11231 Cornell Park Drive
Cincinnati, Ohio 45242

513.489.2255 PHONE
513.489.2533 FAX

www.TRCsolutions.com

June 27, 2013

Underground Storage Tank Section
Land and Chemical Division
USEPA Region 5
77 West Jackson Boulevard (LR-8J)
Chicago, Illinois 60064

Attention: Ms. Erin Galbraith

Reference: BUSTR Release #55000232-N00003
Deltech Polymers Corporation
1250 S. Union Street
Troy, Ohio 45373

Dear Ms. Galbraith:

TRC Environmental Corporation (TRC) is pleased to provide this letter report to supplement the Closure Assessment Report that was provided by Deltech Polymers Corporation (Deltech) for a 20,000 gallon styrene UST at their facility in Troy, Ohio. As detailed below, TRC concludes that the styrene detected during the Closure Assessment did not originate from the UST, but from a fire that resulted in a styrene release at the ground surface near the UST in 1987.

The entire property owned by Deltech at 1250 S. Union Street is enrolled in Ohio's Voluntary Action Program (VAP). A VAP Phase I Property Assessment has been completed under the direction of Donald A. Fay of TRC (VAP Certified Professional #254), and the VAP Phase II scope of work has been developed and is ready for implementation. As you may be aware, portions of a property that are subject to the jurisdiction of Ohio Bureau of Underground Storage Tank Regulations (BUSTR) or USEPA are ineligible to participate in the VAP. Since the styrene detected near the UST did not originate from a release from the tank, we respectfully request that USEPA review this information and issue a determination of no further action for BUSTR release #55000232-N00003 so that this portion of the property can be eligible for participation in the VAP.

VAP Status

TRC was retained by Deltech to perform a Voluntary Action Program (VAP) Phase I Property Assessment (Phase I) of the Deltech Facility located at 815, 1241, 1245 and 1250 South Union Street in Troy (Miami County), Ohio 45373 (Property).

The location of the Property is shown on Figure 1. The Property is currently comprised of seven parcels totaling 4.612 acres of land. The Property consists of a polystyrene pellet manufacturing facility (Figure 2). The Phase I was completed on August 4, 2011 in accordance with the VAP Phase I Property Assessment requirements [Ohio Administrative Code Rule (OAC) 3745-300-06]. The purpose of the Phase I is to characterize the designated Property and surrounding area for the purpose of participation in the VAP and to determine the necessity and scope of a Phase II Property Assessment (Phase II), as warranted. Under the VAP, a Phase I determines whether there is any reason to believe that a release of hazardous substances or petroleum has or may have occurred on,

underlying, or is emanating from the Property, including any release from management, handling, treatment, storage, or disposal activities from on- or off-Property activities.

Property Description and History

The current industrial use of the Property dates back to 1975-1976 for use as a polystyrene pellet manufacturing facility by Goodson Chemical. Deltech purchased the property in 1991, and current operations include the controlled reaction of styrene monomer to polystyrene through extrusion, contact cooling, cutting and straining processes. Numerous USTs and above ground storage have existed at the Property, and the nomenclature for the tanks varies in certain documents. The 20,000 gallon former styrene UST that is the subject of this report is most commonly referred to as T-12, and in certain documents as T0003. There has been only one 20,000 gallon styrene UST on the Property.

A fire and explosion occurred within the plant on October 21, 1987. The location of the fire was north of the Production Building shown in IA-5: Process Area in Figure 3, which is immediately adjacent to T-12 (labeled Former Styrene UST in Figure 3). (Note: IA-4: Styrene UST Area, API Separator, and Rail Siding refers to T-9 and T-11 styrene USTs [30,000-gallon] that are not the subject of this report).

The Ohio EPA conducted a Preliminary Assessment for Goodson Chemical, dated May 3, 1991 (1991 Preliminary Assessment). This report concluded that 500 to 1,000 gallons of styrene monomer were released and that approximately 500,000 gallons of fire-fighting water were used. Styrene monomer is unstable in its pure form and therefore contains toluene, ethylbenzene and xylenes to keep it from reacting. Over 1,000 cubic yards of styrene-contaminated soil were treated on-site then disposed at the Pinnacle Road landfill. The report notes that contaminated soil extends to depths from 4 to 55 feet below ground surface. Based on three ground water sampling events, a ground water plume containing styrene, toluene, ethylbenzene and xylenes appeared to be migrating east-southeast. As shown in Table 2, the ground water results for MW-3, which is the closest downgradient well to the fire area and T-12, showed elevated concentrations of styrene, toluene, ethylbenzene and xylenes when first sampled a few months after the fire in 1987.

T-12 Documentation

According to available documentation, T-12 was installed in 1976 and was cleaned and taken out-of-service in November 1998. According to Drue Roberts with BUSTR, a closure letter was issued for closure in place in December 1998 (Incident ID: 55000232-N00001) for two 500-gallon therminol and the one 20,000-gallon styrene USTs. In 2012, and inspection conducted by Ohio EPA identified the said styrene UST. Deltech employees from 1998 were not present during the inspection to identify that the styrene UST was already closed in place. Therefore, the UST was permanently closed in place on December 18, 2012 by filling it with inert material. After the closure assessment (attached) and a review of available files, it was identified that Tank T-12 passed a leak detection test in 1996 prior to being taken out of service (see results for tank labeled TK1 on NDE Environmental Corp. tank system testing report in Attachment 1). There are no records of overfills or other suspected releases from tank T-12. The Closure Assessment Report prepared for T-12 reported concentrations of styrene, toluene, ethylbenzene and xylenes in soil and ground water samples collected near the UST.

Near surface samples collected during the 2012 closure assessment identified higher concentrations than samples collected deeper from the same borehole. Therefore, further supporting that the impacts identified during the 2012 closure is a result of a ground surface source area and not a below ground surface source.

Table: Summary of Attenuation with Depth

Boring	B-01		B-04	
Depth	0'-4'	15'	0'-4'	12'-16'
Chemical of Concern				
Toluene (mg/Kg)	4.36	0.81	15.1	2.69
Ethylbenzene (mg/Kg)	77.3	9.36	119	20.7
mp-xylene (mg/Kg)	2.27	0.28	7.78	1.31
o-xylene (mg/Kg)	1.42	0.21	4.29	0.69
styrene (mg/Kg)	55.4	11.1	213	63.8

Summary and Conclusions

In summary, there are confirmed releases of styrene, toluene, ethylbenzene and xylenes to the ground surface from a fire that occurred immediately adjacent to tank T-12 in 1987. Tank T-12 passed a tightness test in 1996 and there are no records of overfills or suspected tank releases. In addition, recent soil summary indicates that a near surface impact is the source for underlying identified impacts. It is therefore concluded that the styrene, toluene, ethylbenzene and xylenes detected in soil and ground water samples during the 2012 Closure Assessment are not the result of a release from T-12. If multiple release sources existed, they would be impossible to distinguish because the fire and tank areas are immediately adjacent, the timing is coincident, and chemicals involved are identical.

Based on the above information, we respectfully request that USEPA issue a determination of no further action for BUSTR release #55000232-N00003 so that this portion of the Property can be eligible for participation in the VAP and remedied consistent with non-UST areas of the site.

Please contact the undersigned with any questions.

Sincerely,

TRC Environmental Corporation

Donald A. Fay
VAP C.P. #254

Michael Z. Bitto
Project Manager

cc: Drue E. Roberts – BUSTR
Tom Lowry – Deltech Polymers Corporation

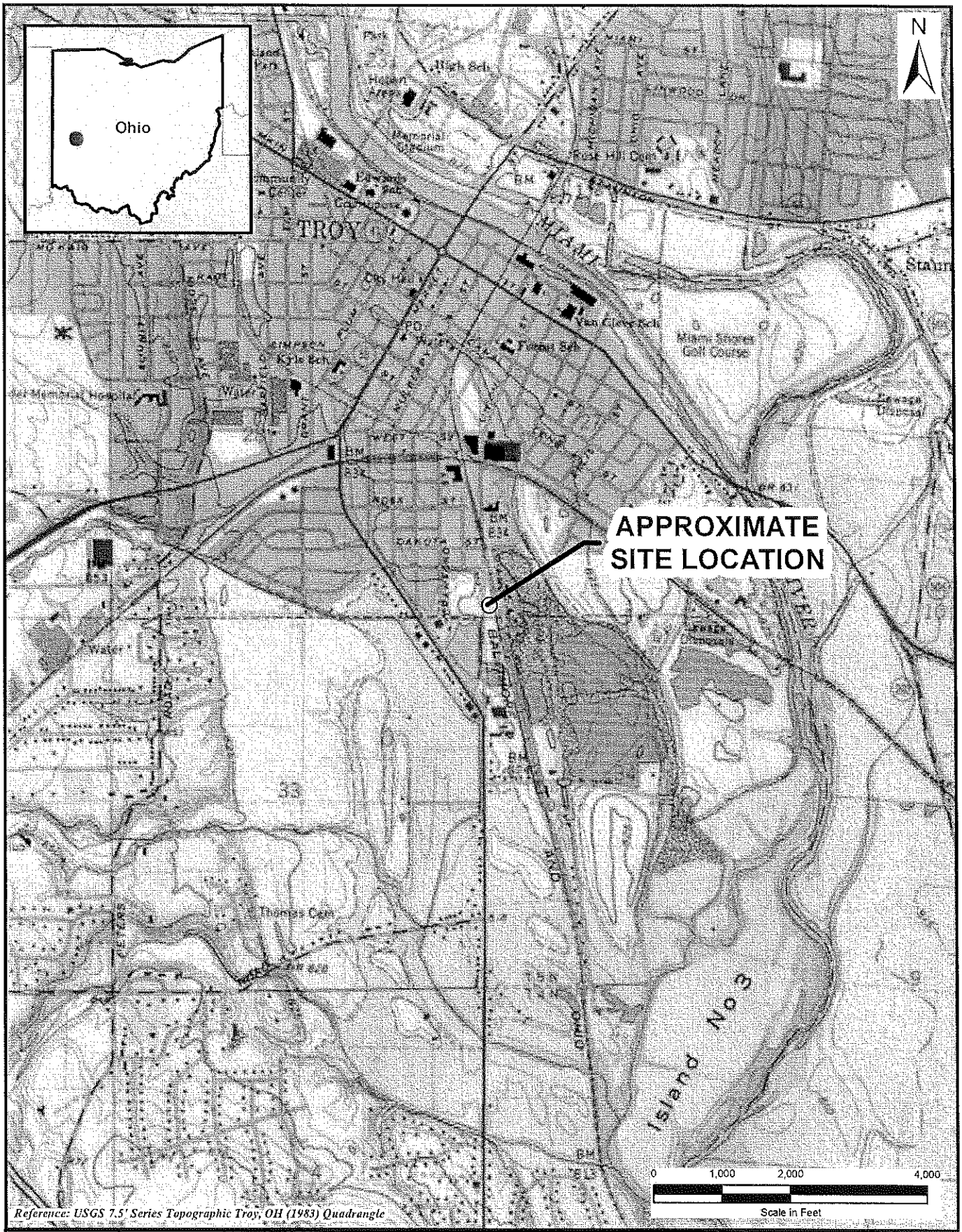
Figures
1 – Site Location Map
2 – Site Features
3 – VAP Identified Areas

Tables
2 – Results from Previous Sampling Events

Attachments
1– T12 Documentation

Figures

G:\GIS_Projects\GIS_Plots\Figure 1st\FIGURES\505.16.01\505.16.01_FIG1_TopographicMap.mxd



Reference: USGS 7.5' Series Topographic Troy, OH (1983) Quadrangle

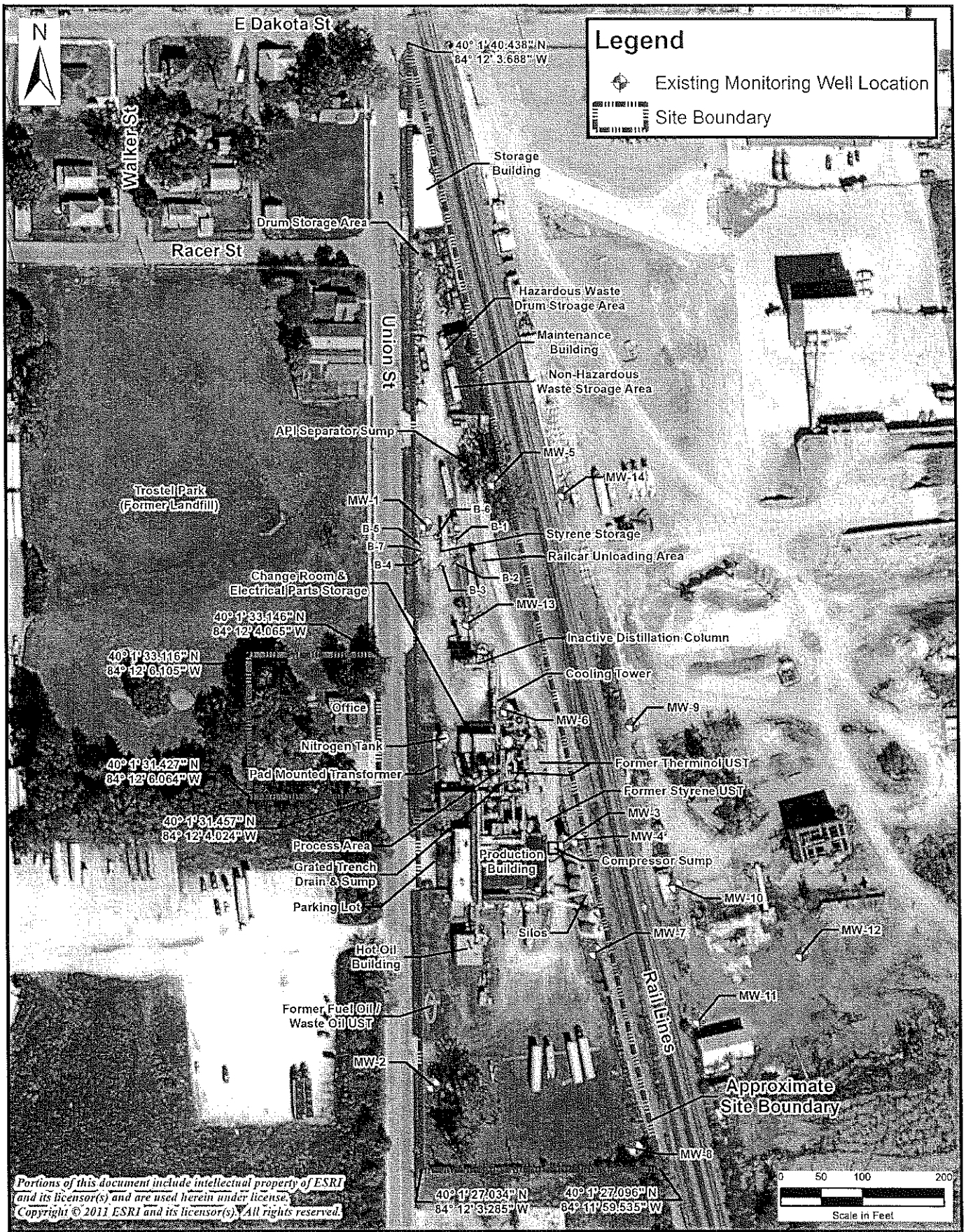
DRAWN BY	PROJECT NO.	DATE
JAG	505.16.01	Tuesday, July 19, 2011

CLIENT: *DELTECH POLYMERS*

TITLE: **PROPERTY LOCATION - DELTECH POLYMERS**
1250 SOUTH UNION STREET TROY, OHIO 45373

The Payne Firm, Inc.
http://www.paynefirm.com/
Economic & Environmental Strategies for Business
Cincinnati / Cleveland / Chicago / New York / London, UK

FIGURE *1*



G:\GIS_Projects\GIS_Phase I Figure Lat\GIS\MXD\505.16\01\505.16.01_Fig2_SiteMap.mxd

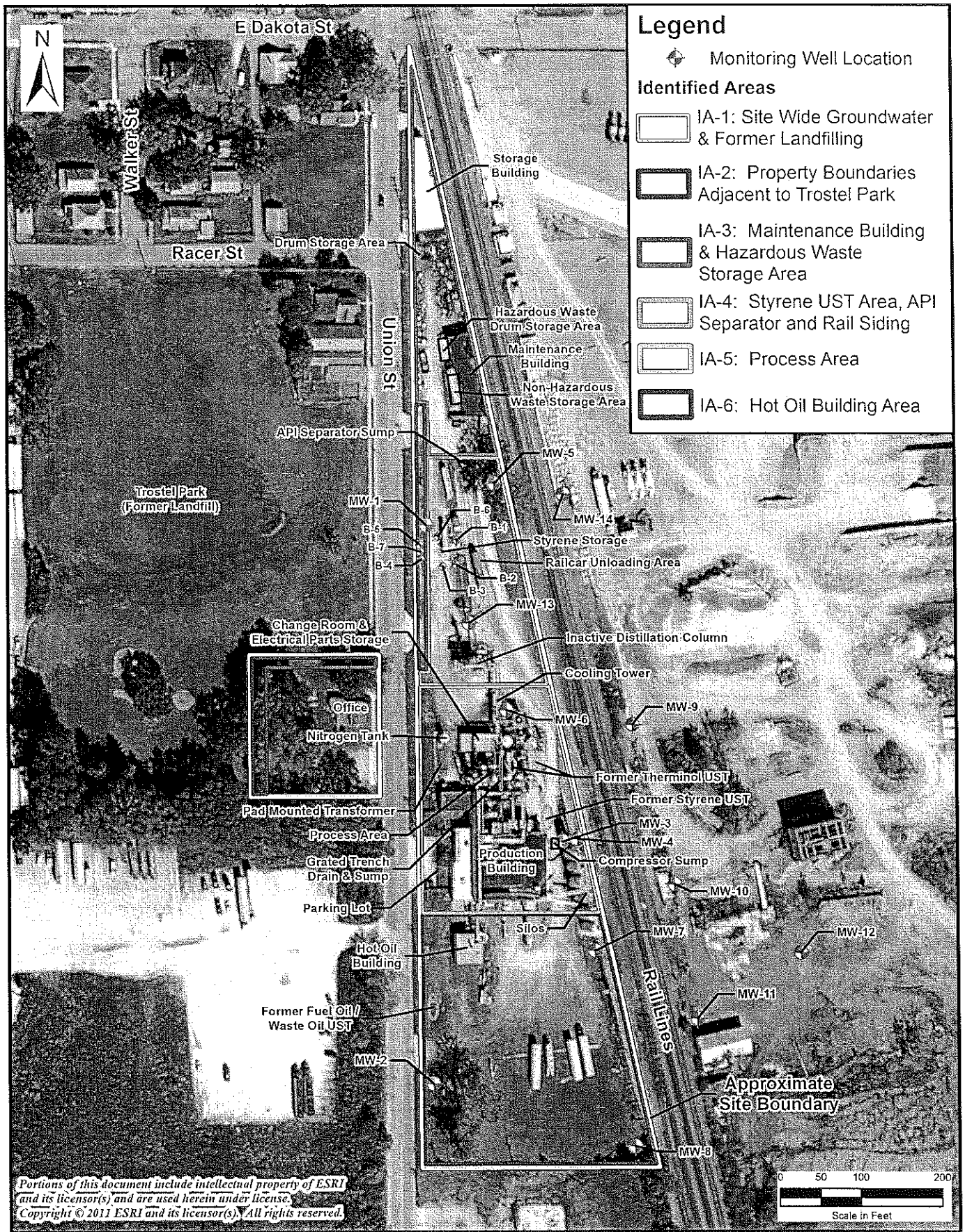
DRAWN BY	PROJECT NO.	DATE
JAG	505.16.01	Tuesday, July 26, 2011

CLIENT: DELTECH POLYMERS

TITLE: PROPERTY FEATURES - DELTECH POLYMERS
1250 SOUTH UNION STREET TROY, OHIO 45373

The Payne Firm, Inc.
http://www.paynefirm.com
Economic & Environmental Strategies for Business
Cincinnati · Cleveland · Chicago · New York · London, UK

FIGURE 2



DRAWN BY	PROJECT NO.	DATE
JAG	505.16.01	Wednesday, August 10, 2011

CLIENT: DELTECH POLYMERS

TITLE: IDENTIFIED AREAS - DELTECH POLYMERS
1250 SOUTH UNION STREET TROY, OHIO 45373

The Payne Firm, Inc.
http://www.paynefirm.com/
Economic & Environmental Strategies for Business
Cincinnati / Cleveland / Chicago / New York / London, UK

FIGURE 3

Tables

Deltech Polymers Corporation
Troy, Ohio
Project No. E005.71

The Payne Firm, Inc.
Environmental Consultants

TABLE 2: Results from Previous Sampling Events

Ground Water Analytical Summary for MW-1 (results in ug/L)

Compounds	December 1987	April 1988	June 1988	November 1988	August 1989	September 1991	December 1991	March 1993	April 1993	May 1994	January 1995	May 1995	August 1995	March 1996	December 1996	January 1998	November 1998	July 1999	August 2000	June 2001
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	164	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Styrene	ND	ND	ND	ND	NT	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Toluene	ND	ND	ND	ND	NT	ND	ND	10.6	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Xylenes, Total	ND	ND	ND	ND	ND	ND	ND	9.2	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT

Ground Water Analytical Summary for MW-2 (results in ug/L)

Compounds	December 1987	April 1988	November 1988	August 1989	September 1991	December 1991	March 1993	May 1994	January 1995	May 1995	August 1995	March 1996	December 1996	January 1998	November 1998	July 1999	August 2000	June 2001
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Styrene	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Toluene	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT
Xylenes, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT

Ground Water Analytical Summary for MW-3 (results in ug/L)

Compounds	December 1987	April 1988	May 1988	August 1988	November 1988	March 1989	August 1989	September 1991	December 1991	March 1993	May 1994	January 1995	May 1995	August 1995	March 1996	December 1996	January 1998	November 1998	July 1999	August 2000	June 2001
Benzene	153	ND	ND	ND	ND	ND	ND	<200	+	<125	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	46,000	65,000	7,500	ND	24,500	18,500	ND	22,800	1,400	5,200	6,400	8,800	4,400	1,800	8,000	7,800	7,200	12,000	15,000	1,200	538
Styrene	750	ND	123	9,700	3,700	25,000	NT	10,500	4,900	2,300	570	10,000	2,200	190	2,800	ND	ND	4,300	ND	720	96
Toluene	3,600	16,800	1,900	29,000	7,140	14,900	NT	20,800	1,600	466	910	5,600	1,200	75	2,200	790	ND	6,100	10,000	680	180
Xylenes, Total	960	ND	703	65,800	305	985	ND	<200	150	<125	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Ground Water Analytical Summary for MW-4 (results in ug/L)

Compounds	August 1989	September 1991	December 1991	March 1993	April 1993	May 1994	January 1995	May 1995	August 1995	March 1996	December 1996	November 1998	July 1999	August 2000	June 2001
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT
Ethylbenzene	ND	ND	ND	48.3	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT
Styrene	NT	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT
Toluene	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT
Xylenes, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT

ND = Not Detected
NA = Data Not Available
+ = Indicates compound present but below specified detection limit
NT = Not Tested for Specific Compound

DRAFT

Attachment 1

T12 Documentation

CERTIFICATE OF UNDERGROUND STORAGE TANK SYSTEM TESTING

NDE ENVIRONMENTAL CORPORATION
8906 WALL STREET, SUITE 306
AUSTIN, TEXAS 78754
(512) 719-4633
FAX (512) 719-4986

FILE COPY

TEST RESULT SITE SUMMARY REPORT

TEST TYPE: VPLT

TEST DATE: July 18, 1996

WORK ORDER NUMBER: 664293

CLIENT: DELTECH POLYMERS
1250 SOUTH UNION ST.
TROY, OH 45373

SITE: DELTECH POLYMER
1250 SOUTH UNION ST.
TROY, OH 45373

ATTN: JIM MATHIS

The following tests were conducted at the site above in accordance with all applicable portions of Federal, NFP A and local regulations.

Tank Tests

TANK NUMBER	PRODUCT	TANK CAPACITY (Gallons)	TANK DIAMETER (Inches)	TANK RESULT	VOLUME CHANGE (gph)	ULLAGE RESULT
TK1 (T-12)	STYRENE	20,000	120.0	PASS	0.009	
TK2 (T-9)	STYRENE	30,000	140.0	PASS	-0.018	
TK3 (T-11)	STYRENE	30,000	140.0	PASS	0.022	

Line and Leak Detector Tests

TANK NUMBER	PRODUCT	VOLUME CHANGE (gph) A	B	C	D	LINE RESULT (P=pass F=fail I=Inconclusive) A	B	C	D	LEAK DETECTOR PRESENT	LEAK DETECTOR RESULT
TK1	STYRENE										
TK2	STYRENE										
TK3	STYRENE										

NDE appreciates the opportunity to serve you, and looks forward to working with you in the future. Please call any time, day or night, when you need us.

NDE Customer Service Representative: DON SCOTT

Test conducted by: JAY VOGEL

Reviewed:

Technician Certification Number:

Ohio Department of Commerce

John R. Kasich
Governor

Division of State Fire Marshal
8895 East Main Street ▲ P.O. Box 529
Reynoldsburg, OH 43068
(614) 752-7126 FAX (614) 995-4206
www.com.state.oh.us

David Goodman
Director

Underground Storage Tank Registration Certificate

Effective JUL 01,2012, Through JUN 30,2013

OWNER NO. W000837
TOM LOWRY
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY, OHIO 45373

FACILITY NO. 55000232
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY OH
MIAMI County

THIS CERTIFIES THAT THE FACILITY, AS LISTED ABOVE, HAS BEEN DULY REGISTERED

THE FOLLOWING TANK(S) HAVE BEEN REGISTERED AT THIS FACILITY;

TANK ID	STATUS	DESCRIPTION	SUBSTANCE STORED
T00001	OS3	30000 Gallons	Hazardous Substance
T00002	OS3	30000 Gallons	Hazardous Substance
T00003	TCI	20000 Gallons	Hazardous Substance

POST THIS CERTIFICATE IN A CONSPICUOUS LOCATION AT THE FACILITY LISTED ABOVE.

1250 South Union Street
Troy, OH 45373
(937) 339-3150
Fax: (937) 339-7694

DELTECH POLYMERS CORPORATION

June 27, 2013

Underground Storage Tank Section
Land and Chemical Division
USEPA Region 5
77 West Jackson Boulevard (LR-8J)
Chicago, Illinois 60064

Attention: Ms. Erin Galbraith

Reference: BUSTR Release #55000232-N00003
Deltech Polymers Corporation
1250 S. Union Street
Troy, Ohio 45373

Dear Ms. Galbraith:

As instructed by the Ohio Bureau of Underground Storage Tank Regulations (BUSTR), please find the attached Closure Assessment Report for a 20,000-gallon styrene UST that was closed in place on December 18, 2012.

Also attached is a letter report prepared by our consultant, TRC Environmental Corporation (TRC), which concludes that the styrene detected during the Closure Assessment did not originate from the UST. As detailed in the report, the styrene is believed to have resulted from a fire that occurred at our plant in October 1987.

Styrene is known to have been released in the area of the 20,000-gallon UST during the fire, and is being addressed under Ohio's Voluntary Action Program under the direction of Donald A. Fay of TRC (CP#254). We understand that the 20,000-gallon UST (and two 500-gallon therminol USTs) was issued a successful closure in place (55000232-N00001) in December 1998 from the Ohio BUSTR. We respectfully request that USEPA review this information and issue a determination of no further action for BUSTR release #55000232-N00003 so that this portion of our property can be eligible for participation in the VAP.

Please contact the undersigned with any questions.

Sincerely,
Deltech Polymers Corporation

Tom Lowry

Tom Lowry

cc: Drue E. Roberts – BUSTR

13-1041aLTR/sap

BUSTR CLOSURE FORM – 2005

(Due within ninety days from the date of sample collection)

OWNER/OPERATOR AND FACILITY DATA

UST OWNER INFORMATION:

COMPANY: Deltech Polymers Corp.
ADDRESS: 1250 South Union Street
CITY, STATE: Troy, Ohio
ZIP: 45373
CONTACT PERSON: Tom Lowry
PHONE: (937) 339-3150
PERMIT #: P00003

FACILITY INFORMATION:

COMPANY: Deltech Polymers Corp.
ADDRESS: 1250 South Union Street
CITY: Troy
COUNTY: Miami
LAT/LONG: 40.02523 / -84.20087
FACILITY ID#: 55000232
FIRE DEPARTMENT: City of Troy, Ohio

UST OPERATOR INFORMATION:

COMPANY: Deltech Polymers Corp.
ADDRESS: 1250 South Union Street
CITY, STATE: Troy, Ohio
ZIP: 45373
CONTACT PERSON: Tom Lowry
PHONE: (937) 339-3150

PROPERTY OWNER INFORMATION:

COMPANY: Deltech Polymers Corp.
ADDRESS: 1250 South Union Street
CITY, STATE: Troy, Ohio
ZIP: 45373
CONTACT PERSON: Tom Lowry
PHONE: (937) 339-3150

DATE THE UST WAS LAST USED: October 1, 1998
PERSON (COMPANY) THAT LAST USED THE UST: Deltech Polymers Corp

SITE HISTORY AND VISUAL SITE EVALUATION

This BUSTR Closure Form concerns a 20,000 gallon steel UST used to store styrene polymer for use in the manufacturing process, last used on October 1, 1998. The UST was cleaned and taken out of service in November 1998. The UST has remained in this same state since. A letter dated January 2, 2004 is included in Appendix G presenting additional UST history. The UST is located along the eastern portion of the property owned and operated by Deltech Polymers Corporation (see Appendix A). The UST is located beneath a concrete surface that is curbed to direct spillage on the surface into a concrete lined retention basin. The UST system is located adjacent to and under process equipment and support structures that would be damaged or weakened if the UST system is removed. Deltech Polymers Corp. received an Approval for Closure-In-Place letter dated July 12, 2012 and Permit dated September 07, 2012 (Appendix B). Deltech Polymers Corp permanently closed the UST in-place by filling the UST with low strength ODOT Mortar mix on December 18, 2012 by direct placement of 100 cubic yards into the UST (Trip tickets of materials delivered are included in Appendix G). The Field Inspection Report of In-Place Closure activities is included in Appendix C. The Site is in the Ohio Voluntary Action Program (VAP) regarding an explosion that occurred at the Site in 1987. This explosion resulted in impacts to the Site soil and groundwater. Thus the elevated concentrations detected in the soil and groundwater presented within this BUSTR Closure Form are being addressed as required in the VAP.

NO UST EXCAVATION WAS CONDUCTED – UST CLOSURE IN-PLACE.

CLOSURE CONCLUSIONS

Select one of the following:

☐ A TIER 1 SOURCE INVESTIGATION IS REQUIRED
☒ NO FURTHER ACTION REQUESTED

UNDERGROUND STORAGE TANK (UST) SYSTEM DATA

UST #	AGE	CAPACITY	PRODUCT	CONST. MATERIAL	UST STATUS	DATE LAST USED	PIPE STATUS	DISP. STATUS	DATE REMOVED
T00003	±25yrs	20,000	STYRENE	STEEL	OOS>90	10/01/1998	NONE	NONE	CLOSURE IN-PLACE 12/18/2012

*STATUS= **OOS<90** – Out of Service < 90 days **OOS>90** – Out of Service > 90 days **RE** - Replace **R** - Removed*
*CIU - Currently In Use **NA** - Not Applicable **CIS** - Change in Service **CIP** - Closed in Place*

SAMPLE DATA

SAMPLE COLLECTION PROCEDURES:

SAMPLE PRESERVATION: Soil samples split in the field for laboratory analyses were placed directly into laboratory supplied containers (glass jars with Teflon lids). Groundwater samples placed into laboratory supplied 40-ml vials, preserved with HCl and placed into cooler with ice.

SAMPLING EQUIPMENT: Soil: GeoProbe 54DT Groundwater: Disposable polyethylene bailers

SAMPLING METHOD: Soil: Direct push methodology with 4' sample liners to refusal. Groundwater samples collected using disposable polyethylene bailers.

FIELD SCREENING:

INSTRUMENT USED: RAE MINIRAE 2000 PID WITH 10.6 EV LAMP

METHODOLOGY USED: Soil samples split in field into laboratory supplied containers and zip-lock baggies. Laboratory containers placed on ice and baggies allowed to equilibrate to ambient conditions. Probe of PID inserted into baggies and concentration of sample interval recorded.

CALIBRATION PROCEDURES:

Instrument was received calibrated by supplier (Argus-Hazco, Dayton, OH).

GROUNDWATER DATA

MARK THE CORRECT CHOICE:

SENSITIVE AREA: YES ☒ NO ☐

DEPTH TO GROUND WATER: <15' ☐ 15-30' ☒ 31-50' ☐ > 50' ☐ ACTUAL DEPTH: 19.97
IF UNKNOWN DEPTH TO GROUND WATER, DEFAULT TO <15 FEET
IF A DEPTH TO GROUND WATER OTHER THAN <15' IS USED, DOCUMENTATION MUST BE PROVIDED.

WAS WATER PRESENT IN EXCAVATION?	YES ☐	NO ☐	N/A
WAS A WATER SAMPLE TAKEN?	YES ☒	NO ☐	GW Wells
WATER SAMPLE COLLECTED AFTER EXCAVATION EVACUATED?	YES ☐	NO ☐	N/A

IF NO, EXPLAIN: UST Closure IN-PLACE – NO EXCAVATION CONDUCTED

SOIL DATA

CIRCLE CORRECT CHOICE:

SOIL CLASSIFICATION:	SOIL CLASS 1	SOIL CLASS 2	SOIL CLASS 3
SOIL SYMBOL:	GW, GP, GM, GC, SW, SP, SM,	SC, ML, CL, OL, MH	CH, OH, PT

MARK THE CORRECT CHOICE: SOIL CLASS 1 ☒ SOIL CLASS 2 ☐ SOIL CLASS 3 ☐

NOTE: GEOTECHNICAL LAB ANALYSIS MUST BE PROVIDED IF SOIL CLASS 2 OR 3 IS USED

FIELD SCREENING DATA

DATE SAMPLE COLLECTED	SAMPLE ID	LOCATION	DEPTH	FIELD SCREENING READING	SUBMITTED TO LAB?
09/19/2012	1A	Boring B1	0-4	593	☒
09/19/2012	1B	Boring B1	4-8	60.6	☐
09/19/2012	1C	Boring B1	8-12	133	☐
09/19/2012	1D	Boring B1	12-15	46.8	☐
09/19/2012	1E	Boring B1	15-16	110	☒
09/19/2012	2A	Boring B2	0-4	49.5	☐
09/19/2012	2B	Boring B2	4-8	44.5	☐
09/19/2012	2C	Boring B2	8-12	435	☒
09/19/2012	2D	Boring B2	12-16	71.5	☐
09/20/2012	3A	Boring B3	0-4	68.8	☐
09/20/2012	3B	Boring B3	4-8	23.2	☐
09/20/2012	3C	Boring B3	8-12	457	☐
09/20/2012	3D	Boring B3	12-16	2264	☐
09/20/2012	3E	Boring B3	16-20	>9999	☒
09/20/2012	4A	Boring B4	0-4	364	☒
09/20/2012	4B	Boring B4	4-8	214	☐
09/20/2012	4C	Boring B4	8-12	103	☐
09/20/2012	4D	Boring B4	12-16	67.7	☒

					☐
					☐
					☐
					☐

NAME AND AFFILIATION OF PERSON COLLECTING SAMPLES:
T. Greetis, KEI

DIMENSIONS OF EXCAVATION: No Excavation Conducted – CLOSURE IN-PLACE

LABORATORY DATA

LABORATORY NAME: S&S ONSITE ANALYTICAL LLC

ADDRESS: 7277 TOWNSHIP ROAD 95, FINDLAY, OHIO

PHONE #: (419) 722-4597

LABORATORY ANALYST NAME: ROBERT SCHOCK

CHEMICAL OF CONCERN / TEST METHOD: Soils: VOCs / 8260 Water: VOCs / 8260

DATE SAMPLES RECEIVED BY LAB: Soils: 09/25/2012 Water: 11/01/2012

DATE SAMPLES ANALYZED BY LAB: Soils: 09/25/2012 Water: 11/03/2012

UST EXCAVATION ANALYTICAL RESULTS

SAMPLE ID:	WATER MW4	WATER MW6	ACTION LEVEL	SOIL 1A	SOIL 1E	SOIL 2C	ACTION LEVEL
CHEMICAL OF CONCERN:							
BENZENE	<0.00154	<0.00154	0.005	<0.00086	<0.00086	<0.00086	0.149
TOLUENE	<0.00153	<0.00153	1	4.35	0.81	28.9	49.1
ETHYLBENZENE	<0.00143	0.00874	0.7	77.3E	9.38	291 E	45.5
TOTAL XYLENES	<0.00467	<0.00467	10	3.69	0.59 J	13.7	15.7
MTBE	<0.00246	<0.00246	0.04	<0.00107	<0.00107	<0.00107	0.470
BENZO (a) ANTHRACENE	NT	NT	0.00026	NT	NT	NT	11.0
BENZO (a) PYRENE	NT	NT	0.0002	NT	NT	NT	1.1
BENZO (b) FLUORANTHENE	NT	NT	0.00017	NT	NT	NT	11.0
BENZO (k) FLUORANTHENE	NT	NT	0.0017	NT	NT	NT	110.0
CHRYSENE	NT	NT	0.047	NT	NT	NT	1,100.0
DIBENZ (a,h) ANTHRACENE	NT	NT	0.0002	NT	NT	NT	1.1
INDENO (1,2,3-cd) PYRENE	NT	NT	0.00022	NT	NT	NT	11.0
NAPHTHALENE	<0.00286	<0.00286	0.14	0.32 J	0.16 J	0.12 J	39.8
TPH (C6-C12)	NT	NT	-	NT	NT	NT	1,000.0
TPH (C10-C20)	NT	NT	-	NT	NT	NT	2,000.0
TPH (C20-C34)	NT	NT	-	NT	NT	NT	5,000.0
OTHER: Styrene	<0.00180	0.00590	0.100 [a]	55.4E	11.1	378 E	1,700 [a]
Isopropylbenzene	<0.00154	<0.00154	1.400 [a]	2.72	0.38	9.56	260 [a]
n-propylbenzene	<0.00150	<0.00150	NE	1.84	0.27 J	4.58	NE
1,3,5-trimethylbenzene	<0.00191	<0.00191	0.140 [a]	<0.00144	<0.00144	<0.00144	95 [a]
1,2,4-trimethylbenzene	<0.00181	<0.00181	0.140 [a]	<0.00128	<0.00128	0.14 J	120 [a]
n-butylbenzene	<0.00119	<0.00119	NE	<0.00121	<0.00121	0.14 J	NE
Sec-butylbenzene	<0.00175	<0.00175	NE	0.16 J	<0.00135	<0.00135	NE

UST EXCAVATION ANALYTICAL RESULTS (CONTINUED)

SAMPLE ID:	WATER MW13	WATER B4	ACTION LEVEL	SOIL 3E	SOIL 4A	SOIL 4D	ACTION LEVEL
CHEMICAL OF CONCERN:							
BENZENE	<0.00154	<0.00154	0.005	<0.00086	<0.00086	<0.00086	0.149
TOLUENE	<0.00153	<0.00153	1	124 E	15.1	2.69	49.1
ETHYLBENZENE	<0.00143	0.453E	0.7	223 E	119 E	20.7	45.5
TOTAL XYLENES	<0.00467	0.01685	10	102.2	11.98	2.00	15.7
MTBE	<0.00246	<0.00246	0.04	<0.00107	<0.00107	<0.00107	0.470
BENZO (a) ANTHRACENE	NT	NT	0.00026	NT	NT	NT	11.0
BENZO (a) PYRENE	NT	NT	0.0002	NT	NT	NT	1.1
BENZO (b) FLUORANTHENE	NT	NT	0.00017	NT	NT	NT	11.0
BENZO (k) FLUORANTHENE	NT	NT	0.0017	NT	NT	NT	110.0
CHRYSENE	NT	NT	0.047	NT	NT	NT	1,100.0
DIBENZ (a,h) ANTHRACENE	NT	NT	0.0002	NT	NT	NT	1.1
INDENO (1,2,3-cd) PYRENE	NT	NT	0.00022	NT	NT	NT	11.0
NAPHTHALENE	<0.00286	<0.00286	0.14	0.44 J	<0.00174	<0.00174	39.8
TPH (C6-C12)	NT	NT	-	NT	NT	NT	1,000.0
TPH (C10-C20)	NT	NT	-	NT	NT	NT	2,000.0
TPH (C20-C34)	NT	NT	-	NT	NT	NT	5,000.0
OTHER: Styrene	<0.00180	0.230	0.100 [a]	351 E	213 E	53.8 E	1,700 [a]
Isopropylbenzene	<0.00154	0.00157J	1.400 [a]	106 E	10.5	1.54	260 [a]
n-propylbenzene	<0.00150	<0.00150	NE	86.6 E	8.56	1.21	NE
1,3,5-trimethylbenzene	<0.00191	<0.00191	0.140 [a]	1.08	<0.00144	<0.00144	95 [a]
1,2,4-trimethylbenzene	<0.00181	<0.00181	0.140 [a]	0.92	<0.00128	<0.00128	120 [a]
n-butylbenzene	<0.00119	<0.00119	NE	0.37	<0.00121	<0.00121	NE
Sec-butylbenzene	<0.00175	<0.00175	NE	<0.00135	<0.00135	<0.00135	NE

E = Concentration in sample exceeds the calibration range of the instrument.
J =Compound results were between the Method Detection Limit (MDL) and Reporting Limit (RL).
[a] = OEPA VAP Action Level in accordance with OAC 3745-300-08 effective date 03/01/2009
NE = Not established

Concentrations are reported in mg/kg for soil and mg/L for water

IF ACTION LEVELS ARE EXCEEDED, CONDUCT A TIER 1 SOURCE INVESTIGATION PURSUANT TO OAC 1301:7-9-13(H).

NOTE:

DATA PRESENTED IN ABOVE TABLE REPRESENTS SOIL DATA FROM SOIL BORINGS COMPLETED SURROUNDING THE UST AND GROUNDWATER SAMPLING FROM NEARBY MONITORING WELLS. LABORATORY ANALYTICAL REPORTS AND ASSOCIATED CHAIN-OF-CUSTODY REPORTS ARE INCLUDED IN APPENDIX D AND E RESPECTIVELY.

PIPING RUN, REMOTE FILL PIPE, DISPENSER ISLAND ANALYTICAL RESULTS

SAMPLE ID:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	ACTION LEVEL
CHEMICAL OF CONCERN:								
BENZENE								0.149
TOLUENE								49.1
ETHYLBENZENE								45.5
TOTAL XYLENES								15.7
MTBE								0.470
BENZO (a) ANTHRACENE								11.0
BENZO (a) PYRENE								1.1
BENZO (b) FLUORANTHENE								11.0
BENZO (k) FLUORANTHENE								110.0
CHRYSENE								1,100.0
DIBENZ (a,h) ANTHRACENE								1.1
INDENO (1,2,3-cd) PYRENE								11.0
NAPHTHALENE								39.8
TPH (C6-C12)								1,000.0
TPH (C10-C20)								2,000.0
TPH (C20-C34)								5,000.0
OTHER:								

NOT APPLICABLE
NO UST EXCAVATION
CLOSURE IN-PLACE

IF ACTION LEVELS ARE EXCEEDED, CONDUCT A TIER 1 SOURCE INVESTIGATION PURSUANT TO OAC 1301:7-9-13(H).

STOCKPILE ANALYTICAL RESULTS

STOCKPILE ID:							ACTION LEVEL	RE-USE LEVEL
CUBIC YARDS:								
STOCKPILE DISPOSITION*								
CHEMICAL OF CONCERN:								
BENZENE							0.149	0.015
TOLUENE							49.1	4.91
ETHYLBENZENE							45.5	4.55
TOTAL XYLENES							15.7	15.7
MTBE							0.470	0.047
BENZO (a) ANTHRACENE							11.0	2.2
BENZO (a) PYRENE							1.1	1.1
BENZO (b) FLUORANTHENE							11.0	5.53
BENZO (k) FLUORANTHENE							110.0	1.97
CHRYSENE							1,100.0	1.27
DIBENZ (a,h) ANTHRACENE							1.1	0.94
INDENO (1,2,3-cd) PYRENE							11.0	0.15
NAPHTHALENE							39.8	3.98
TPH (C6-C12)							1,000.0	1,000.0
TPH (C10-C20)							2,000.0	2,000.0
TPH (C20-C34)							5,000.0	5,000.0
OTHER:								

NOT APPLICABLE
NO UST EXCAVATION
CLOSURE IN-PLACE

R=RETURNED TO CAVITY* **L=***LANDFILL* **S=***STOCKPILED* **T=***TREATMENT BY O/O (requires PCS Treatment Plan)*

Revised 3/4/2005

WASTE DISPOSAL DATA

UST SYSTEM DISPOSITION:

NAME: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

NOT APPLICABLE
NO UST EXCAVATION
CLOSURE IN-PLACE

PRODUCT DISPOSITION:

NAME: _____
ADDRESS: _____
CITY: _____
STATE/ZIP: _____
VOLUME/GALLONS: _____

WASTEWATER DISPOSITION:

NAME: _____
ADDRESS: _____
CITY: _____
STATE/ZIP: _____
VOLUME/GALLONS: _____

NO UST REMOVED – CLOSURE IN-PLACE

PETROLEUM CONTAMINATED SOIL (PCS) FORM

This form should be completed and submitted within 120 days of generating a stockpile, within 180 days of placing the soil in portable containers, or prior to storage or treatment, whichever comes first.
A separate PCS form shall be completed for each stockpile generated.

OWNER/OPERATOR INFORMATION		
OWNER/OPERATOR NAME	CONTACT PERSON	AREA CODE-PHONE
CITY	STATE	ZIP CODE

UST FACILITY INFORMATION	STORAGE FACILITY INFORMATION	FACILITY WHERE SOILS WILL BE DISPOSED OF OR TREATED
FACILITY ID#	FACILITY ID#	
FACILITY NAME	FACILITY NAME	FACILITY NAME
ADDRESS	ADDRESS	ADDRESS
CITY STATE ZIP CODE	CITY STATE ZIP CODE	CITY STATE ZIP CODE
TELEPHONE COUNTY	TELEPHONE COUNTY DATE TRANSFERRED	STOCKPILE DESIGNATION (e.g., pile #1, pile from waste oil cavity, etc.)

DATE STOCKPILE WAS GENERATED _____

Cubic Yards

_____ On-site treatment (requires a treatment plan)
_____ Off-site treatment (requires a treatment plan)
_____ Soil analysis falls below Rule 16 re-use levels (RUL)
_____ Returned to excavation (below site specific action levels) (RTE BAL)
_____ Returned to excavation (above site specific action levels) (RTE AAL)
_____ Disposal at a landfill (LFL)
_____ Disposal at a treatment facility (COM)
_____ Stockpile remains on-site (provide written explanation) (SOS)

NOT APPLICABLE
NO UST EXCAVATION
CLOSURE IN-PLACE

Revised 3/4/2005

MISCELLANEOUS DATA

ADDITIONAL INFORMATION WHICH IS REQUIRED BY OAC 1301:7-9-12 OR ADDITIONAL INFORMATION WHICH CLARIFIES CLOSURE ACTIVITIES SHALL BE SUBMITTED AS APPENDICIES TO THIS REPORT.

THE FOLLOWING ITEMS MUST BE ATTACHED:

Appendix A – Figures (includes Topographic & Site Maps)
Appendix B - Permit
Appendix C - Field inspection report
Appendix D - Laboratory analytical report
Appendix E - Chain of custody form
Appendix F - Disposal documentation
Appendix G – Miscellaneous Data

SITE MAP: Site maps, drawn to scale, must be included in Appendix A. Maps should include property boundaries, street locations, UST cavity dimensions, above ground structures, UST systems, adjacent properties, sample locations, any utilities, and the location(s) of previously closed UST systems.

CERTIFIED FIRE SAFETY INSPECTOR:

NAME:	Doug Parks
COMPANY/FD:	UST IS LLC
ADDRESS:	Brookville, Ohio
PHONE #:	(937) 657-5271
INSPECTOR ID #:	64-57-0007

CERTIFIED INSTALLER:

NAME:	Wayne Roether
COMPANY	Alpha Ram
ADDRESS	Cincinnati, Ohio
PHONE #	(513) 661-4031
ID #:	63-31-0018

CLOSURE FORM PREPARED BY:

NAME:	T. Kilbane
COMPANY:	Kilbane Environmental Inc.
ADDRESS:	11554 Lebanon Rd., Cincinnati, OH 45241
PHONE #:	(513) 874-6650
EMAIL:	info@kilbaneenv.com

NO UST REMOVED – CLOSURE IN-PLACE

Closure Form must be signed by the UST owner/operator. The owner/operator is responsible for ensuring all data is accurate, and the closure form is legible and complete.

OWNER / OPERATOR SIGNATURE: _____

PRINT NAME: _____ **DATE:** _____

CHEMICALS OF CONCERN AND RECOMMENDED LABORATORY METHODS

Analytical Group 1 - light distillate products - including unleaded gasoline, leaded gasoline and aviation gasoline;

Analytical Group 2 - middle distillate products - including diesel, light fuel oils, stoddard solvents, mineral spirits, kerosene, and jet fuels;

Analytical Group 3 - heavy petroleum distillate products - including, but not limited to, lubricating and hydraulic oils;

Analytical Group 4 - used oil

Analytical Group 5 - unknown petroleum products or petroleum products other than those listed in analytical groups 1, 2, 3 and 4. Additional chemical(s) of concern and analytical methods must be selected, as appropriate, based on reasonably available information related to the product stored, including additives, impurities and degradation products. In addition, chemical(s) of concern should be selected based on their toxicity, mobility, and persistence in the environment. The owners and operators shall consult with the fire marshal for the appropriate chemical(s) of concern for products not in analytical group 1, 2, 3 and 4.

	Analytical Group Number	1	2	3	4	5	Analytical Methods
		Light Distillates	Middle Distillates	Heavy Distillates	Used Oil	Unknowns & Others	
	Chemical						
Aromatics	Benzene	x	x		x		8021/8260
	Toluene	x	x		x		
	Ethylbenzene	x	x		x		
	o, m and p-Xylenes	x	x		x		
Additives	Methyl tertiary-butyl ether (MTBE)	x			x		
Polynuclear Aromatics	Benzo(a)anthracene		x	x	x		8270/8310
	Benzo(a)pyrene		x	x	x		
	Benzo(b)fluoranthene		x	x	x		
	Benzo(k)fluoranthene		x	x	x		
	Chrysene		x	x	x		
	Dibenz(a,h)anthracene		x	x	x		
	Indeno(1,2,3-c,d)pyrene		x	x	x		
	Naphthalene		x	x	x		
Chlorinated Hydrocarbons	Volatile Organic Hydrocarbons				x		8260
Total Petroleum Hydrocarbons *1	TPH (C6 – C12)	x			x		8015
	TPH (C10 – C20)		x		x		
	TPH (C20 – C34)			x	x		
	Varies based on UST contents			x	x	*2	

*1 TPH analysis is not required for ground water samples.

*2 Additional chemical(s) of concern and analytical methods must be selected, as appropriate, based on reasonably available information related to the product stored, including additives, impurities and degradation products. In addition, chemical(s) of concern should be selected based on their toxicity, mobility, and persistence in the environment. The owners and operators shall consult with the fire marshal for the appropriate chemical(s) of concern for products not in analytical group 1, 2, 3 and 4.

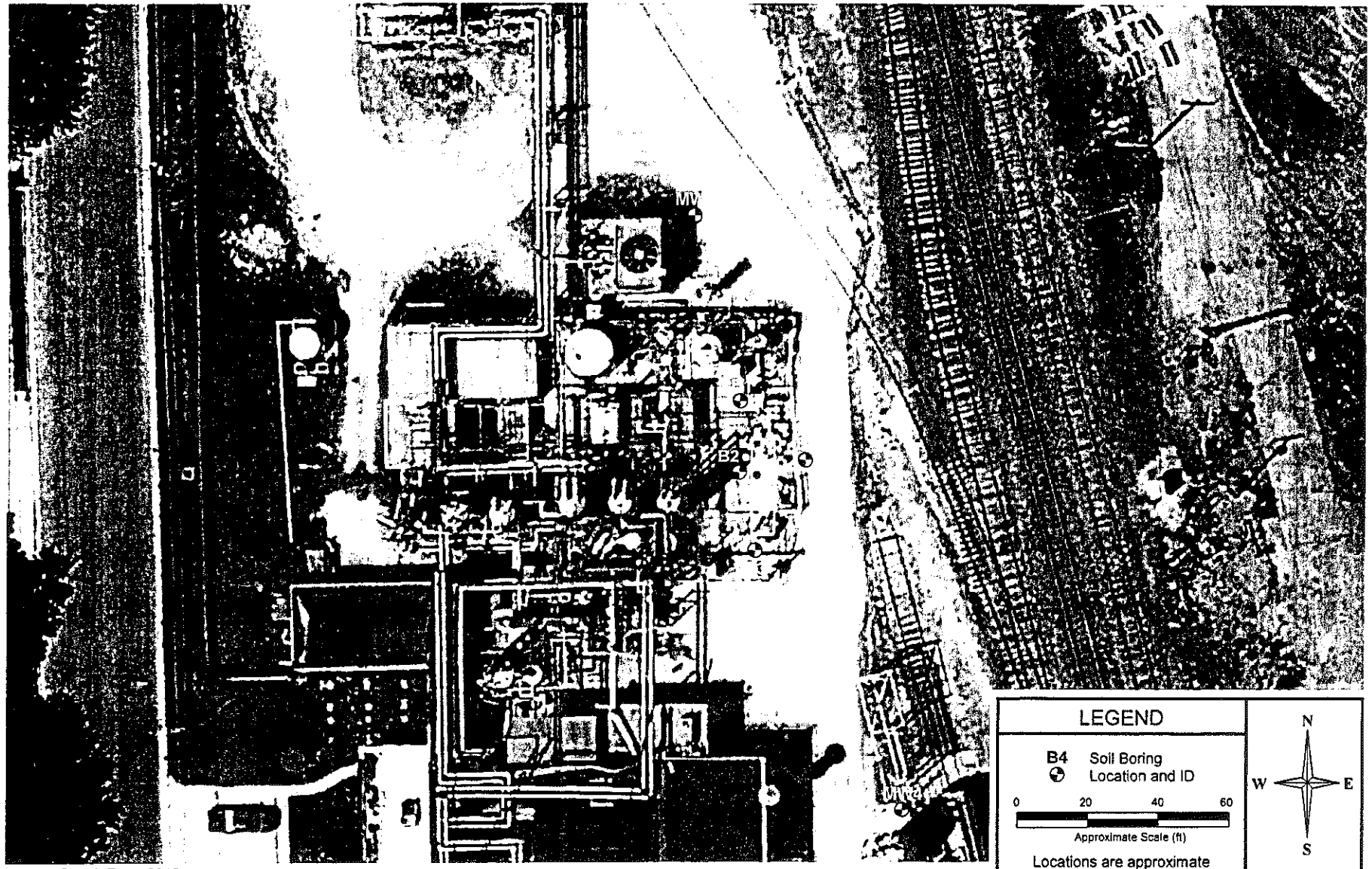
BUSTR CLOSURE ACTION LEVELS					
Chemicals of Concern	**Soil Action Levels**			**Water**	**PCS Re-use**
	Class 1 Soils	**Class 2 Soils**	**Class 3 Soils**		
Benzene	0.149	0.252	0.937	0.005	0.015
Toluene	49.1	70.8	86.0	1	4.91
Ethylbenzene	45.5	83.0	282.0	0.7	4.55
Total Xylenes	15.7	18.0	21.7	10	15.7
MTBE	0.470	0.788	3.440	0.04	0.047
Benzo(a)anthracene	11.0	11.0	11.0	0.00026	2.2
Benzo(a)pyrene	1.1	1.1	1.1	0.0002	1.1
Benzo(b)flouranthene	11.0	11.0	11.0	0.00017	5.53
Benzo(k)flouranthene	110.0	110.0	110.0	0.0017	1.97
Chrysene	1,100.0	1,100.0	1,100.0	0.047	1.27
Dibenz(a,h)anthracene	1.1	1.1	1.1	0.0002	0.94
Indeno(1,2,3-cd) pyrene	11.0	11.0	11.0	0.00022	0.15
Naphthalene	39.8	54.0	54.0	0.14	3.98
TPH C_6-C_{12}	1,000.0	5,000.0	8,000.0	-	1,000.0
TPH C_{10}-C_{20}	2,000.0	10,000.0	20,000.0	-	2,000.0
TPH C_{20}-C_{34}	5,000.0	20,000.0	40,000.0	-	5,000.0

Soil contaminant levels in mg/kg

Water contaminant levels in mg/L

APPENDIX A

FIGURES



Source: GoogleEarth 2012

KILBANE Environmental, Inc.

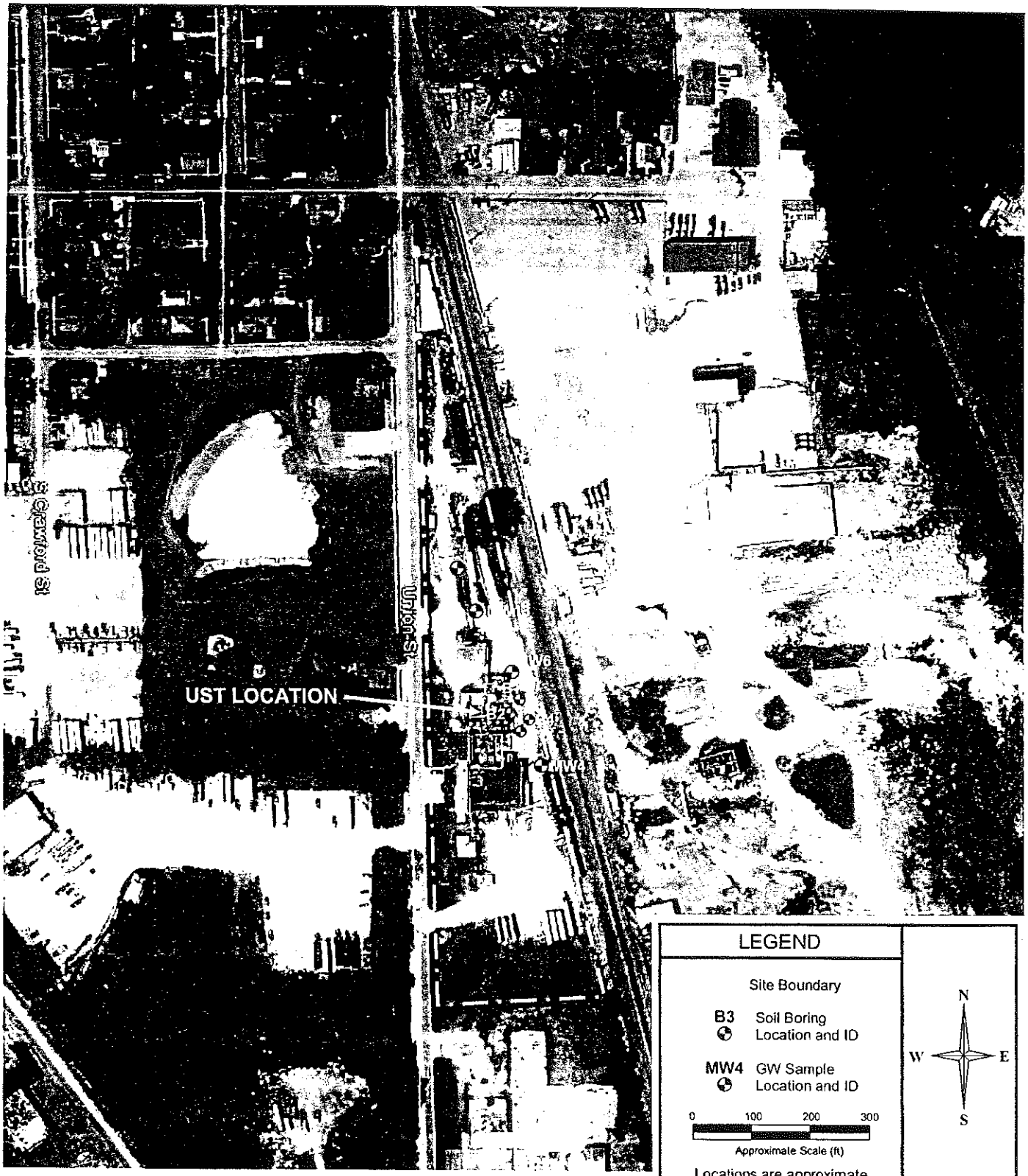
11554 Lebanon Road
Cincinnati, Ohio 45241

FIGURE 3
SOIL BORING LOCATIONS

1250 S. Union Street
Troy, Miami County, Ohio

KEI Project No: 22150

Prepared By	No.	Date
tag	00	27 NOV 2012



Source: GoogleEarth

KILBANE Environmental, Inc.

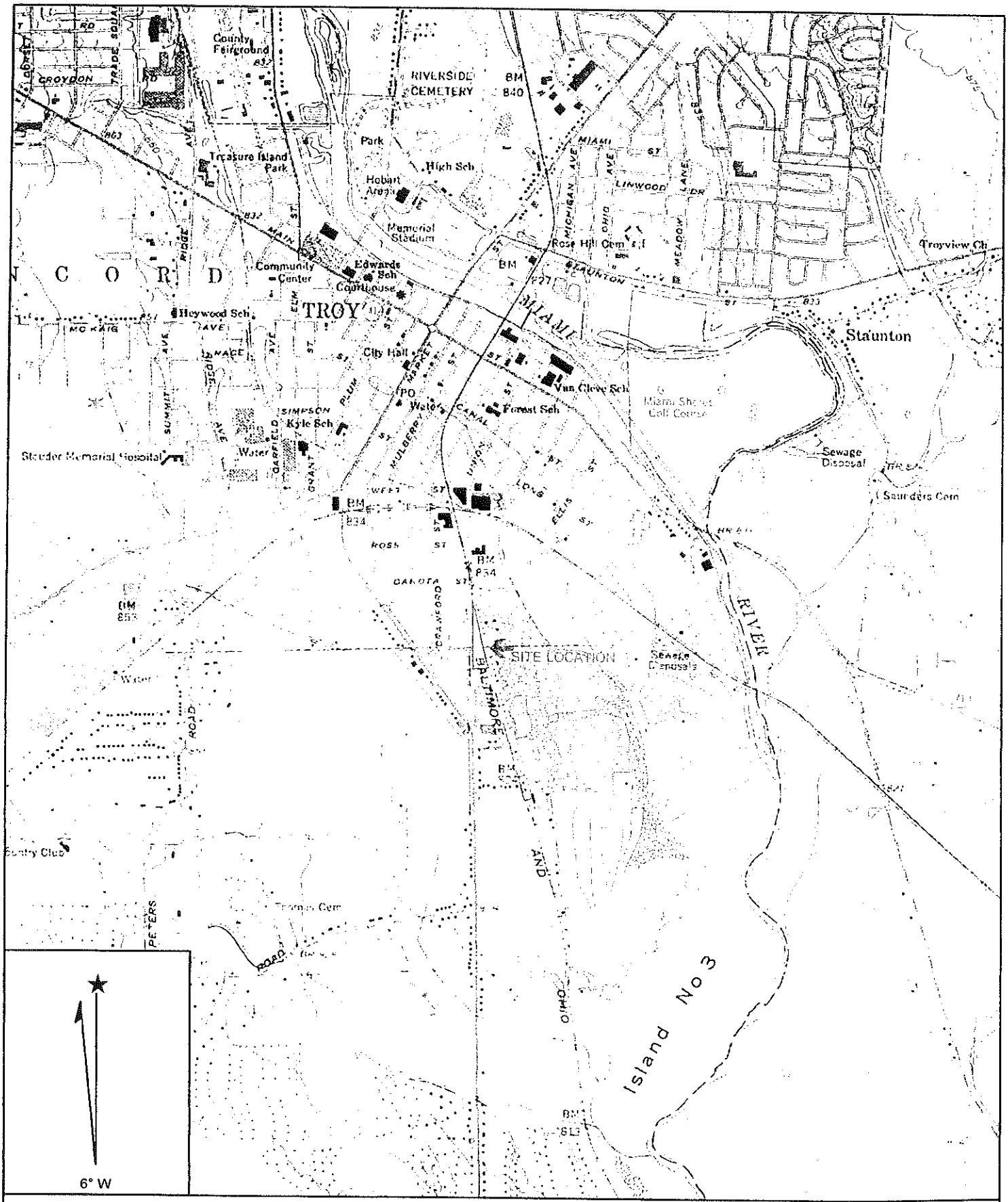
11554 Lebanon Road
Cincinnati, Ohio 45241

FIGURE 2
SITE MAP

1250 S. Union Street
Troy, Miami County, Ohio

KEI Project No.: 22150(4)

Prepared By	No.	Date
tag	00	27 NOV 2011



Name: TROY
Date: 11/29/2012
Scale: 1 inch equals 2000 feet

Location: 040° 01' 37.9" N 084° 11' 57.1" W
Caption: FIGURE 1
SITE LOCATION MAP
Project No: 22150(1)

APPENDIX B

PERMIT

Department of Commerce
Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

PERMIT FOR UNDERGROUND STORAGE TANKS

Owner No. W000837
Facility No. 55000232

Permit Number: P00003
Issue Date: SEPTEMBER 07,2012

I. OWNERSHIP OF TANKS	II. LOCATION OF TANKS
DELTECH POLYMERS CORP. 1250 S UNION ST TROY, OHIO 45373 CONTACT PERSON: TOM LOWRY PHONE: OWNER PHONE	DELTECH POLYMERS CORP. 1250 S UNION ST TROY Ohio 45373 COUNTY: MIAMI PHONE: (937)335-5286
III. CONTRACTOR INFORMATION	**IV. LOCAL FIRE DEPARTMENT INFORMATION**
KILBANE ENVIRONMENTAL INC WAYNE ROETHER 11554 LEBANON RD CINCINNATI, OHIO 45241 PHONE:(513)874-6650	TROY FIRE DEPARTMENT 1528 N MARKET ST TROY, OH 45373

V. CONDITIONS: OWNER'S COPY OF PERMIT MUST BE AVAILABLE ON JOB SITE.
PERMIT EXPIRES SIX (6) MONTHS FROM DATE OF ISSUE. FEE IS NON-REFUNDABLE.
AS A CONDITION OF THIS PERMIT, AN INSPECTOR MUST BE ON THE JOB SITE.
PERMITCONDITIONS

VI. PERMIT ISSUED FOR:

	Works to be performed				
	Entire System	UST	Piping	Containment	Ancillary Equipment
Installation					
Modification					
Replace					
Major Repair					
Removal					
Close in Place	0	1	0	0	0
Change in Service					
Out-of-Service					

BUREAU USE ONLY

Certified Installer's Name: _____ No. _____

Certified Inspector's Signature: _____ No. _____

Bureau of Testing & Registration
8895 East Main Street, P.O. Box 529
Reynoldsburg, OH 43068

614 | 752 7126
Fax 614 | 995 4206
TTY/TDD 877 | 264 0023
www.com.ohio.gov

Department of Commerce
Division of State Fire Marshal
John R. Kasich, Governor
David Goodman, Director

JULY 12, 2012

TOM LOWRY
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY, Ohio 45373

RE: Closure-In-Place of T00003, a 20,000-Gallon Hazardous Substance Underground Storage Tank (UST) Located at Deltech Polymers Corp., 1250 South Union Street, Troy, Ohio, Facility # 55000232.

Dear Mr. Lowry:

Based on the Bureau of Underground Storage Tank Regulation's evaluation of the UST at the above referenced location, the 20,000-Gallon UST is hereby approved for closure-in-place with the following conditions:

1. The closure-in-place is to be performed in accordance with API 1604;
2. Remove all flammable or combustible liquid from the UST and all connecting lines;
3. Remove all sludge from the UST and thoroughly rinse and flush the UST and piping;
4. Disconnect the suction, inlet gauge, and vent lines and cap the remaining underground piping;
5. Fill the UST completely with an inert, solid material that has a density greater than the density of water;
6. Keep a record of UST size, location, date of closure-in-place, and method used for placing the USTs in a safe condition; and
7. Conduct a closure assessment as required by Ohio Administrative Code 1301:7-9-12, if applicable.

This letter is not a permit to perform work. Prior to performing the closure-in-place, you must obtain a permit pursuant to paragraph (C) of rule 1301:7-9-10 of the Administrative Code. An application for a permit may be obtained by visiting the BUSTR web site at http://www.com.ohio.gov/fire/ReleasePreventionInformation.aspx or by contacting the Testing and Registration Bureau at (877) 264-0023. In addition, a certified UST Installer must perform the closure-in-place, and an UST Inspector must be present during the closure-in-place.

If you have any questions, feel free to contact Steven Krichbaum at (614) 752-7938.

Sincerely,

William L. Hills
Chief – BUSTR
Division of State Fire Marshal
Ohio Department of Commerce

WH:anm

c: File
Mike C. Miller, BUSTR Inspector
Drue Roberts, Corrective Actions Coordinator
Martha Fullemann, Testing & Registration

APPENDIX C

FIELD INSPECTION REPORT

State of Ohio, Department of Commerce
Division of State Fire Marshal—Bureau of Testing & Registration
P.O. Box 529, Reynoldsburg, Ohio 43068
Phone (614) 752-7126 Fax (614) 995-4206

Removal Inspection Field Report

(For Removal, Closure in Place, Out of Service, and Changes in Service Activity)

Page of

Inspection: Preliminary [ ] Final [X] Permit Date 9/7/12

Facility # 35 000232 Permit # P-23

Ownership of Tanks:
DELTECH POLYMERS CORP.
1250 S UNION ST.
TROY, OH 45373
TOM LOWRY (937) 335-5286

Location of Tanks:
DELTECH POLYMERS CORP
1250 S. UNION ST.
TROY, OH 45373

Sensitive Area: Yes [ ] No [ ]

Tank/System Information	Tank # 3 Cavity# 1	Tank # Cavity#	Tank # Cavity#	Tank # Cavity #
Components Undergoing Work: T=Tank, P=Piping, S=System, C=Containment, A=Ancillary	T P (S) C A	T P S C A	T P S C A	T P S C A
Inspection Description	Close in Place			
Date Last Used	2010			
Underground Tank Capacity (list gallons)	20000			
Substance Stored	Polymer Styrene			
Tank Construction	BM			
Piping Construction	BM			
Pressure, Suction or Gravity Piping	G			
LEL/O2 (indicate %)	0% 21%			
Tank Cleaned on Site	(Yes) or No	Yes or No	Yes or No	Yes or No
Holes in Tank	Yes or (No)	Yes or No	Yes or No	Yes or No
Holes in Piping	Yes or (No)	Yes or No	Yes or No	Yes or No
Cavity Appearance*				
Piping Run Appearance*				
Beneath Dispenser Appearance*	None			
Closure in Place (written approval obtained)	(Yes) or No	Yes or No	Yes or No	Yes or No
Out of Service (more than 90 days)(system secured)	Yes or (No)	Yes or No	Yes or No	Yes or No
Change in Service (regulated to non-regulated)	Yes or (No)	Yes or No	Yes or No	Yes or No

Remarks: CLOSURE IN PLACE OF 1 20K BM UST. TANK
CLEANED & FILLED WITH SLURRY

*Indicate O = Odor, W = Water, ST = Staining, FP = Free Product, SH = Sheen

Certified Installer Number: 03-31 0018
Certified Installer Name (printed): WAYNE POETKER
Certified Installer Signature: Wayne Poetker
Date: 12/18-12

Certified Inspector Number: 64-57-0007
Certified Inspector Name (printed): DOUG PARKS
Certified Inspector Signature: Doug Parks
Date: 12/18/12 Hours on Site:

APPENDIX D

LABORATORY ANALYTICAL REPORTS

S&S Onsite Analytical, Ltd.
Phone (419) 422-9796
Fax (419) 422-4840
Non-Responsive PII

7277 Township Rd. 95
Findlay, Ohio 45840

Email Non-Responsive PII

Case Narrative

Kilbane Environmental
11554 Lebanon Rd.
Cincinnati, OH 45241

September 30, 2012

Project # 22150 (Deltech)

All VOA samples collected for analysis by the laboratory for this project were extracted and analyzed within the respective holding times for the analyses performed. Sample results for all soil samples submitted to the laboratory were reported on a "dry weight" basis.

Volatile analysis for the presence of target analytes was performed using USEPA Method 8260b utilizing a Tekmar® Purge and Trap system coupled to a Hewlett Packard® 5890/5971 GC/MS system. Water samples were either analyzed directly or diluted to bring target analytes within the linear range of the instrument. Soil samples were extracted with Purge and Trap grade methanol and an aliquot of the methanol was purged through the system. Volatile results were calculated directly from the 8260 curve.

Results listed between the MDL and the RL should be considered estimated values. In addition, sample results that exceed the calibration range of the instrument should also be considered estimated results. All samples that exceeded the linear range of the calibration curve, following any reasonable dilutions, for the sample results are flagged with an "E"; these levels are estimated and should be considered minimum values for the compounds reported.

All tune and calibration criteria were within method parameters for the compounds of interest.

NOTE:

All Water VOC results are in ug/L or (ppb).
All Soil VOC results are in mg/Kg or (ppm).

Data Qualifiers

B Compound was detected in the blank.
U Compound was analyzed for but not detected above the MDL.
J The compound results were between the MDL and the RL.
E The concentration found in the sample exceeds the calibration range of the instrument.
NOTE: Reporting Limits reflect any sample dilutions that may have been performed.

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SAMPLE RESULTS

Sample ID	B-1 (0-4')		
Lab ID	DF453		
Collection Date	9/19/12		
Analysis Date	9/25/12		
Run No.	V0925005		
sample matrix	S		Calc'd
Compound	MDL	RL	result mg/Kg
Diclorodifluoromethane	0.00216	0.648	U
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	U
Bromomethane	0.00245	0.735	U
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	U
Carbon disulfide	0.00525	1.575	U
Iodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	U
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	U
Chloroform	0.00101	0.303	U
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	U
1,2-Dichloropropane	0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0.297	4.35

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2-Nitropropane	0.00313	0.939	U
Tetrachloroethene	0.00114	0.342	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0.00156	0.468	U
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacrylate	0.00185	0.555	U
Dibromochloromethane	0.00147	0.441	U
1,3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	U
2-Hexanone	0.00212	0.636	U
Chlorobenzene	0.00140	0.420	U
Ethylbenzene	0.00104	0.312	77.3 E
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	2.27
o-Xylene	0.00116	0.348	1.42
Bromoform	0.00088	0.264	U
Styrene	0.00166	0.498	55.4 E
Isopropylbenzene	0.00107	0.321	2.72
Bromobenzene	0.00103	0.309	U
n-Propylbenzene	0.00149	0.447	1.84
1,1,2,2-Tetrachloroethane	0.00159	0.477	U
2-Chlorotoluene	0.00105	0.315	U
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethylbenzene	0.00144	0.432	U
t-1,4-Dichloro-2-butene	0.00121	0.363	U
4-Chlorotoluene	0.00119	0.357	U
t-Butylbenzene	0.00156	0.468	U
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	U
sec-Butylbenzene	0.00135	0.405	0.16 J
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	U
n-Butylbenzene	0.00121	0.363	U
Hexachloroethane	0.00094	0.282	U
1,2-Dichlorobenzene	0.00109	0.327	U
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U
Hexachlorobutadiene	0.00257	0.771	U
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	0.32 J
1,2,3-Trichlorobenzene	0.00199	0.597	U

surrogate recoveries	1,2-Dichloroethane-d4	122
	Toluene-d8	85
	4-Bromofluorobenzene	91

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Sample ID	B-1 (15')		
Lab ID	DF454		
Collection Date	9/19/12		
Analysis Date	9/25/12		
Run No.	V0925008		
sample matrix	S		Calc'd
Compound	MDL	RL	result
Dichlorodifluoromethane	0.00216	0.648	U
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	U
Bromomethane	0.00245	0.735	U
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	U
Carbon disulfide	0.00525	1.575	U
Iodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	U
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	U
Chloroform	0.00101	0.303	U
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	U
1,2-Dichloropropane	0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0.297	0.81

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2-Nitropropane	0.00313	0.939	U
Tetrachloroethene	0.00114	0.342	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0.00156	0.468	U
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacrylate	0.00185	0.555	U
Dibromochloromethane	0.00147	0.441	U
1.3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	U
2-Hexanone	0.00212	0.636	U
Chlorobenzene	0.00140	0.420	U
Ethylbenzene	0.00104	0.312	9.38
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	0.38 J
o-Xylene	0.00116	0.348	0.21 J
Bromoform	0.00088	0.264	U
Styrene	0.00166	0.498	11.1
Isopropylbenzene	0.00107	0.321	0.38
Bromobenzene	0.00103	0.309	U
n-Propylbenzene	0.00149	0.447	0.27 J
1,1,2,2-Tetrachloroethane	0.00159	0.477	U
2-Chlorotoluene	0.00105	0.315	U
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethylbenzene	0.00144	0.432	U
t-1,4-Dichloro-2-butene	0.00121	0.363	U
4-Chlorotoluene	0.00119	0.357	U
t-Butylbenzene	0.00156	0.468	U
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	U
sec-Butylbenzene	0.00135	0.405	U
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	U
n-Butylbenzene	0.00121	0.363	U
Hexachloroethane	0.00094	0.282	U
1,2-Dichlorobenzene	0.00109	0.327	U
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U
Hexachlorobutadiene	0.00257	0.771	U
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	0.16 J
1,2,3-Trichlorobenzene	0.00199	0.597	U

surrogate recoveries	1,2-Dichloroethane-d4	124
	Toluene-d8	81
	4-Bromofluorobenzene	94

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Sample ID	B-2 (8-12')		
Lab ID	DF455		
Collection Date	9/19/12		
Analysis Date	9/25/12		
Run No.	V0925009		
sample matrix	S		Calc'd
Compound	MDL	RL	result
Dichlorodifluoromethane	0.00216	0.648	U
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	U
Bromomethane	0.00245	0.735	U
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	U
Carbon disulfide	0.00525	1.575	U
Iodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	U
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	U
Chloroform	0.00101	0.303	U
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	U
1,2-Dichloropropane	0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0.297	28.9

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2-Nitropropane	0.00313	0.939	U
Tetrachloroethene	0.00114	0.342	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0.00156	0.468	U
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacrylate	0.00185	0.555	U
Dibromochloromethane	0.00147	0.441	U
1,3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	U
2-Hexanone	0.00212	0.636	U
Chlorobenzene	0.00140	0.420	U
Ethylbenzene	0.00104	0.312	291 E
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	8.78
o-Xylene	0.00116	0.348	4.92
Bromoform	0.00088	0.264	U
Styrene	0.00166	0.498	378 E
Isopropylbenzene	0.00107	0.321	9.56
Bromobenzene	0.00103	0.309	U
n-Propylbenzene	0.00149	0.447	4.58
1,1,2,2-Tetrachloroethane	0.00159	0.477	U
2-Chlorotoluene	0.00105	0.315	U
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethylbenzene	0.00144	0.432	U
t-1,4-Dichloro-2-butene	0.00121	0.363	U
4-Chlorotoluene	0.00119	0.357	U
t-Butylbenzene	0.00156	0.468	U
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	0.14 J
sec-Butylbenzene	0.00135	0.405	U
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	U
n-Butylbenzene	0.00121	0.363	0.14 J
Hexachloroethane	0.00094	0.282	U
1,2-Dichlorobenzene	0.00109	0.327	U
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U
Hexachlorobutadiene	0.00257	0.771	U
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	0.12 J
1,2,3-Trichlorobenzene	0.00199	0.597	U

surrogate recoveries	1,2-Dichloroethane-d4	135
	Toluene-d8	77
	4-Bromofluorobenzene	75

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Sample ID	B-3 (16-20')		
Lab ID	DF456		
Collection Date	9/20/12		
Analysis Date	9/25/12		
Run No.	V0925010		
sample matrix	S		Calc'd
Compound	MDL	RL	result
Dichlorodifluoromethane	0.00216	0.648	U
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	U
Bromomethane	0.00245	0.735	U
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	U
Carbon disulfide	0.00525	1.575	U
Iodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	U
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	U
Chloroform	0.00101	0.303	U
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	U
1,2-Dichloropropane	0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0.297	124 E

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2-Nitropropane	0.00313	0.939	U
Tetrachloroethene	0.00114	0.342	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0.00156	0.468	U
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacrylate	0.00185	0.555	U
Dibromochloromethane	0.00147	0.441	U
1,3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	U
2-Hexanone	0.00212	0.636	U
Chlorobenzene	0.00140	0.420	U
Ethylbenzene	0.00104	0.312	223 E
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	65.5
o-Xylene	0.00116	0.348	36.7
Bromoform	0.00088	0.264	U
Styrene	0.00166	0.498	351 E
Isopropylbenzene	0.00107	0.321	106 E
Bromobenzene	0.00103	0.309	U
n-Propylbenzene	0.00149	0.447	86.6 E
1,1,2,2-Tetrachloroethane	0.00159	0.477	U
2-Chlorotoluene	0.00105	0.315	U
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethylbenzene	0.00144	0.432	1.08
t-1,4-Dichloro-2-butene	0.00121	0.363	U
4-Chlorotoluene	0.00119	0.357	U
t-Butylbenzene	0.00156	0.468	U
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	0.92
sec-Butylbenzene	0.00135	0.405	U
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	U
n-Butylbenzene	0.00121	0.363	0.37
Hexachloroethane	0.00094	0.282	U
1,2-Dichlorobenzene	0.00109	0.327	U
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U
Hexachlorobutadiene	0.00257	0.771	U
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	0.44 J
1,2,3-Trichlorobenzene	0.00199	0.597	U

surrogate recoveries	1,2-Dichloroethane-d4	104
	Toluene-d8	93
	4-Bromofluorobenzene	110

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Sample ID	B-4 (0-4')		
Lab ID	DF457		
Collection Date	9/20/12		
Analysis Date	9/25/12		
Run No.	V0925011		
sample matrix	S		Calc'd
Compound	MDL	RL	result
Diclorodifluoromethane	0.00216	0.648	U
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	U
Bromomethane	0.00245	0.735	U
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	U
Carbon disulfide	0.00525	1.575	U
Iodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	U
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	U
Chloroform	0.00101	0.303	U
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	U
1,2-Dichloropropane	0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0.297	15.1

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2-Nitropropane	0.00313	0.939	U
Tetrachloroethene	0.00114	0.342	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0.00156	0.468	U
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacrylate	0.00185	0.555	U
Dibromochloromethane	0.00147	0.441	U
1.3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	U
2-Hexanone	0.00212	0.636	U
Chlorobenzene	0.00140	0.420	U
Ethylbenzene	0.00104	0.312	119 E
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	7.78
o-Xylene	0.00116	0.348	4.20
Bromoform	0.00088	0.264	U
Styrene	0.00166	0.498	213 E
Isopropylbenzene	0.00107	0.321	10.5
Bromobenzene	0.00103	0.309	U
n-Propylbenzene	0.00149	0.447	8.56
1,1,2,2-Tetrachloroethane	0.00159	0.477	U
2-Chlorotoluene	0.00105	0.315	U
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethylbenzene	0.00144	0.432	U
t-1,4-Dichloro-2-butene	0.00121	0.363	U
4-Chlorotoluene	0.00119	0.357	U
t-Butylbenzene	0.00156	0.468	U
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	U
sec-Butylbenzene	0.00135	0.405	U
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	U
n-Butylbenzene	0.00121	0.363	U
Hexachloroethane	0.00094	0.282	U
1,2-Dichlorobenzene	0.00109	0.327	U
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U
Hexachlorobutadiene	0.00257	0.771	U
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	U
1,2,3-Trichlorobenzene	0.00199	0.597	U

surrogate recoveries	1,2-Dichloroethane-d4	91
	Toluene-d8	98
	4-Bromofluorobenzene	97

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Sample ID	B-4 (12-16')		
Lab ID	DF458		
Collection Date	9/20/12		
Analysis Date	9/25/12		
Run No.	V0925012		
sample matrix	S		Calc'd
Compound	MDL	RL	result
Diclorodifluoromethane	0.00216	0.324	U
Chloromethane	0.00217	0.326	U
Vinyl Chloride	0.00189	0.284	U
Bromomethane	0.00245	0.368	U
Chloroethane	0.00588	0.882	U
Trichlorofluoromethane	0.00150	0.225	U
Diethyl ether	0.00118	0.177	U
1,1-Dichloroethene	0.00279	0.419	U
Carbon disulfide	0.00525	0.788	U
Iodomethane	0.00180	0.270	U
Allyl chloride	0.00051	0.077	U
Methylene Chloride	0.00174	0.261	U
Acetone	0.00329	0.494	U
trans-1,2-Dichloroethene	0.00080	0.120	U
Methyl-t-butyl ether (MTBE)	0.00107	0.161	U
1,1-Dichloroethane	0.00131	0.197	U
Acrylonitrile	0.00175	0.263	U
cis-1,2-Dichloroethene	0.00130	0.195	U
2,2-Dichloropropane	0.00155	0.233	U
Bromochloromethane	0.00064	0.096	U
Chloroform	0.00101	0.152	U
Carbon Tetrachloride	0.00135	0.203	U
Methyl acrylate	0.00165	0.248	U
1,1,1-Trichloroethane	0.00136	0.204	U
1,1-Dichloropropene	0.00761	1.142	U
2-Butanone	0.01500	2.250	U
1-Chlorobutane	0.00151	0.227	U
Benzene	0.00086	0.129	U
Propionitrile	0.00191	0.287	U
1,2-Dichloroethane	0.00112	0.168	U
Trichloroethene	0.00099	0.149	U
Dibromomethane	0.00104	0.156	U
1,2-Dichloropropane	0.00080	0.120	U
Bromodichloromethane	0.00113	0.170	U
Methyl methacrylate	0.00117	0.176	U
cis-1,3-Dichloropropene	0.00077	0.116	U
Toluene	0.00099	0.149	2.69

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2-Nitropropane	0.00313	0.470	U
Tetrachloroethene	0.00114	0.171	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.327	U
trans-1,3-Dichloropropene	0.00156	0.234	U
1,1,2-Trichloroethane	0.00151	0.227	U
Ethyl methacrylate	0.00185	0.278	U
Dibromochloromethane	0.00147	0.221	U
1,3-Dichloropropane	0.00185	0.278	U
1,2-Dibromoethane EDB)	0.00149	0.224	U
2-Hexanone	0.00212	0.318	U
Chlorobenzene	0.00140	0.210	U
Ethylbenzene	0.00104	0.156	20.7
1,1,1,2-Tetrachloroethane	0.00139	0.209	U
m&p-Xylene	0.00266	0.399	1.31
o-Xylene	0.00116	0.174	0.69
Bromoform	0.00088	0.132	U
Styrene	0.00166	0.249	53.6 E
Isopropylbenzene	0.00107	0.161	1.54
Bromobenzene	0.00103	0.155	U
n-Propylbenzene	0.00149	0.224	1.21
1,1,2,2-Tetrachloroethane	0.00159	0.239	U
2-Chlorotoluene	0.00105	0.158	U
1,2,3-Trichloropropane	0.00199	0.299	U
1,3,5-Trimethylbenzene	0.00144	0.216	U
t-1,4-Dichloro-2-butene	0.00121	0.182	U
4-Chlorotoluene	0.00119	0.179	U
t-Butylbenzene	0.00156	0.234	U
Pentachloroethane	0.00160	0.240	U
1,2,4-Trimethylbenzene	0.00128	0.192	U
sec-Butylbenzene	0.00135	0.203	U
p-Isopropyl toluene	0.00115	0.173	U
1,3-Dichlorobenzene	0.00145	0.218	U
1,4-Dichlorobenzene	0.00109	0.164	U
n-Butylbenzene	0.00121	0.182	U
Hexachloroethane	0.00094	0.141	U
1,2-Dichlorobenzene	0.00109	0.164	U
1,2-Dibromo-3-chloropropane	0.00220	0.330	U
Nitrobenzene	0.02500	3.750	U
Hexachlorobutadiene	0.00257	0.386	U
1,2,4-Trichlorobenzene	0.00152	0.228	U
Naphthalene	0.00174	0.261	U
1,2,3-Trichlorobenzene	0.00199	0.299	U

surrogate recoveries	1,2-Dichloroethane-d4	94
	Toluene-d8	93
	4-Bromofluorobenzene	97

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INSTRUMENT / METHOD BLANKS

Sample ID	Blank 1		
Analysis Date	9/25/12		
Run No.	V0925003		
sample matrix	S		Calc'd
Compound	MDL	RL	result
Dichlorodifluoromethane	0.00216	0.006	U
Chloromethane	0.00217	0.007	U
Vinyl Chloride	0.00189	0.006	U
Bromomethane	0.00245	0.007	U
Chloroethane	0.00588	0.018	U
Trichlorofluoromethane	0.00150	0.005	U
Diethyl ether	0.00116	0.004	U
1,1-Dichloroethene	0.00279	0.008	U
Carbon disulfide	0.00525	0.016	U
Iodomethane	0.00180	0.005	U
Allyl chloride	0.00051	0.002	U
Methylene Chloride	0.00174	0.005	U
Acetone	0.00329	0.010	U
trans-1,2-Dichloroethene	0.00080	0.002	U
Methyl-t-butyl ether (MTBE)	0.00107	0.003	U
1,1-Dichloroethane	0.00131	0.004	U
Acrylonitrile	0.00175	0.005	U
cis-1,2-Dichloroethene	0.00130	0.004	U
2,2-Dichloropropane	0.00155	0.005	U
Bromochloromethane	0.00064	0.002	U
Chloroform	0.00101	0.003	U
Carbon Tetrachloride	0.00135	0.004	U
Methyl acrylate	0.00165	0.005	U
1,1,1-Trichloroethane	0.00136	0.004	U
1,1-Dichloropropene	0.00761	0.023	U
2-Butanone	0.01500	0.045	U
1-Chlorobutane	0.00151	0.005	U
Benzene	0.00086	0.003	U
Propionitrile	0.00191	0.006	U
1,2-Dichloroethane	0.00112	0.003	U
Trichloroethene	0.00099	0.003	U
Dibromomethane	0.00104	0.003	U
1,2-Dichloropropane	0.00080	0.002	U
Bromodichloromethane	0.00113	0.003	U
Methyl methacrylate	0.00117	0.004	U
cis-1,3-Dichloropropene	0.00077	0.002	U
Toluene	0.00099	0.003	U
2-Nitropropane	0.00313	0.009	U

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Tetrachloroethene	0.00114	0.003	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.007	U
trans-1,3-Dichloropropene	0.00156	0.005	U
1,1,2-trichloroethane	0.00151	0.005	U
Ethyl methacrylate	0.00185	0.006	U
Dibromochloromethane	0.00147	0.004	U
1,3-Dichloropropane	0.00185	0.006	U
1,2-Dibromoethane EDB)	0.00149	0.004	U
2-Hexanone	0.00212	0.006	U
Chlorobenzene	0.00140	0.004	U
Ethylbenzene	0.00104	0.003	U
1,1,1,2-Tetrachloroethane	0.00139	0.004	U
m&p-Xylene	0.00266	0.008	U
o-Xylene	0.00116	0.003	U
Bromoform	0.00088	0.003	U
Styrene	0.00166	0.005	U
Isopropylbenzene	0.00107	0.003	U
Bromobenzene	0.00103	0.003	U
n-Propylbenzene	0.00149	0.004	U
1,1,2,2-Tetrachloroethane	0.00159	0.005	U
2-Chlorotoluene	0.00105	0.003	U
1,2,3-Trichloropropane	0.00199	0.006	U
1,3,5-Trimethylbenzene	0.00144	0.004	U
t-1,4-Dichloro-2-butene	0.00121	0.004	U
4-Chlorotoluene	0.00119	0.004	U
t-Butylbenzene	0.00156	0.005	U
Pentachloroethane	0.00160	0.005	U
1,2,4-Trimethylbenzene	0.00128	0.004	U
sec-Butylbenzene	0.00135	0.004	U
p-Isopropyl toluene	0.00115	0.003	U
1,3-Dichlorobenzene	0.00145	0.004	U
1,4-Dichlorobenzene	0.00109	0.003	U
n-Butylbenzene	0.00121	0.004	U
Hexachloroethane	0.00094	0.003	U
1,2-Dichlorobenzene	0.00109	0.003	U
1,2-Dibromo-3-chloropropane	0.00220	0.007	U
Nitrobenzene	0.02500	0.075	U
Hexachlorobutadiene	0.00257	0.008	U
1,2,4-Trichlorobenzene	0.00152	0.005	U
Naphthalene	0.00174	0.005	U
1,2,3-Trichlorobenzene	0.00199	0.006	U
GRO	0.01110	0.033	U

surrogate recoveries	1,2-Dichloroethane-d4	101
	Toluene-d8	99
	4-Bromofluorobenzene	108

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LCS/Spike RESULTS

Spike Level ng/ml	Sample ID / Run No. / Compound	LCS 1 V0925004 LCS Sample Result	LCS Spike % Recovery
50	Vinyl chloride	57	114
50	1,1-Dichloroethene	66	132
50	1,1-Dichloroethane	63	126
50	cis-1,2-Dichloroethene	64	128
50	Chloroform	64	128
50	1,1,1-Trichloroethane	65	130
50	Benzene	55	110
50	Trichloroethene	62	124
50	Toluene	53	106
50	Tetrachloroethene	47	94
50	Chlorobenzene	60	120
50	Ethyl benzene	57	114
100	m&p-Xylene	114	114
50	o-Xylene	60	120
50	1,2,3-Trichloropropane	56	112
50	2-Chlorotoluene	55	110
50	1,2,4-Trimethylbenzene	57	114
50	1,3-Dichlorobenzene	59	118
50	1,2,4-Trichlorobenzene	48	96
50	Naphthalene	60	120
	surrogate recoveries	1,2-Dichloroethane-d4	115
		Toluene-d8	91
		4-Bromofluorobenzene	90

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MS/MSD and SAMPLE DUPLICATE RESULTS
(results are from the instrument and not corrected for dilution)

	Sample ID	B-1 (0-4')					
	Lab ID	DF453					
	Run No.	V0925005	V0925006		V0925007		
Spike Level ng/ml	Compound	Sample Results	MS Sample Result	MS Spike % Recovery	MSD Sample Result	MSD Spike % Recovery	RPD
50	1,1-Dichloroethene	0.0	54	108	42	84	25.0
50	1,1-Dichloroethane	0.0	47	94	48	96	2.1
51	Methyl-t-butyl ether (MTBE)	0.0	47	92	42	82	11.2
50	cis-1,2-Dichloroethene	0.0	51	102	47	94	8.2
50	1,1,1-Trichloroethane	0.0	69	138	53	106	26.2
50	Benzene	0.0	41	82	46	92	11.5
50	Trichloroethene	0.0	69	138	57	114	19.0
50	Toluene	41.6	73	63	88	93	18.6
50	Tetrachloroethene	0.0	36	72	37	74	2.7
50	Chlorobenzene	0.0	49	98	50	100	2.0
50	Ethyl benzene	738.4	798	119	863	249	7.8
100	m&p-Xylene	21.7	109	87	113	91	3.6
50	o-Xylene	13.6	60	93	64	101	6.5
50	1,3-Dichlorobenzene	0.0	53	106	53	106	0.0

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Case Narrative

Kilbane Environmental
11554 Lebanon Rd.
Cincinnati, OH 45241

November 4, 2012

Project # 22150

All VOA samples collected for analysis by the laboratory for this project were extracted and analyzed within the respective holding times for the analyses performed.

Volatile analysis for the presence of target analytes was performed using USEPA Method 8260b utilizing a Tekmar® Purge and Trap system coupled to a Hewlett Packard® 5890/5971 GC/MS system. Water samples were either analyzed directly or diluted to bring target analytes within the linear range of the instrument. Volatile results were calculated directly from the 8260 curve.

Results listed between the MDL and the RL should be considered estimated values. In addition, sample results that exceed the calibration range of the instrument should also be considered estimated results. All samples that exceeded the linear range of the calibration curve, following any reasonable dilutions, for the sample results are flagged with an "E"; these levels are estimated and should be considered minimum values for the compounds reported.

All tune and calibration criteria were within method parameters for the compounds of interest.

NOTE:

All Water VOC results are in ug/L or (ppb).

Data Qualifiers

B Compound was detected in the blank.
U Compound was analyzed for but not detected above the MDL.
J The compound results were between the MDL and the RL.
E The concentration found in the sample exceeds the calibration range of the instrument.
NOTE: Reporting Limits reflect any sample dilutions that may have been performed.

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SAMPLE RESULTS

Sample ID	MW-4		
Lab ID	DF533		
Collection Date	10/31/12		
Analysis Date	11/3/12		
Run No.	V1103005		
sample matrix	W		Calc'd
Compound	MDL	RL	result ug/L
Dichlorodifluoromethane	1.59	4.8	U
Chloromethane	1.32	4.0	U
Vinyl Chloride	1.71	5.1	U
Bromomethane	2.44	7.3	U
Chloroethane	7.47	22.4	U
Trichlorofluoromethane	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	U
Carbon disulfide	7.55	22.7	U
Iodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	U
trans-1,2-Dichloroethene	1.22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrile	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	U
Bromochloromethane	2.32	7.0	U
Chloroform	1.66	5.0	U
Carbon Tetrachloride	1.39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	U
Benzene	1.54	4.6	U
Propionitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	U
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1.53	4.6	U

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2-Nitropropane	2.95	8.9	U
Tetrachloroethene	0.76	2.3	U
4-Methyl-2-pentanone (MIBK)	3.82	11.5	U
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacrylate	1.51	4.5	U
Dibromochloromethane	2.16	6.5	U
1,3-Dichloropropane	2.06	6.2	U
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	U
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	U
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	U
o-Xylene	1.67	5.0	U
Bromoform	1.59	4.8	U
Styrene	1.80	5.4	U
Isopropylbenzene	1.54	4.6	U
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	U
2-Chlorotoluene	2.15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	U
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	U
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	U
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene	2.26	6.8	U
1,2-Dibromo-3-chloropropane	3.15	9.5	U
Nitrobenzene	20.00	60.0	U
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U

surrogate recoveries	1,2-Dichloroethane-d4	105
	Toluene-d8	101
	4-Bromofluorobenzene	94

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Sample ID	MW-6		
Lab ID	DF534		
Collection Date	10/31/12		
Analysis Date	11/3/12		
Run No.	V1103008		
sample matrix	W		Calc'd
Compound	MDL	RL	result
Diclorodifluoromethane	1.59	4.6	U
Chloromethane	1.32	4.0	U
Vinyl Chloride	1.71	5.1	U
Bromomethane	2.44	7.3	U
Chloroethane	7.47	22.4	U
Trichlorofluoromethane	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	U
Carbon disulfide	7.55	22.7	U
Iodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	U
trans-1,2-Dichloroethene	1.22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrile	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	U
Bromochloromethane	2.32	7.0	U
Chloroform	1.66	5.0	U
Carbon Tetrachloride	1.39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	U
Benzene	1.54	4.6	U
Propionitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	U
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1.53	4.6	U

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2-Nitropropane	2.95	8.9	U
Tetrachloroethene	0.76	2.3	U
4-Methyl-2-pentanone (MIBK)	3.82	11.5	U
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacrylate	1.51	4.5	U
Dibromochloromethane	2.16	6.5	U
1,3-Dichloropropane	2.06	6.2	U
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	U
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	8.74
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	U
o-Xylene	1.67	5.0	U
Bromoform	1.59	4.8	U
Styrene	1.80	5.4	5.90
Isopropylbenzene	1.54	4.6	U
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	U
2-Chlorotoluene	2.15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	U
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	U
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	U
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene	2.26	6.8	U
1,2-Dibromo-3-chloropropane	3.15	9.5	U
Nitrobenzene	20.00	60.0	U
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U

surrogate recoveries	1,2-Dichloroethane-d4	106
	Toluene-d8	101
	4-Bromofluorobenzene	90

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Sample ID	MW-13		
Lab ID	DF535		
Collection Date	10/31/12		
Analysis Date	11/3/12		
Run No.	V1103009		
sample matrix	W		Calc'd
Compound	MDL	RL	result
Diclorodifluoromethane	1.59	4.8	U
Chloromethane	1.32	4.0	U
Vinyl Chloride	1.71	5.1	U
Bromomethane	2.44	7.3	U
Chloroethane	7.47	22.4	U
Trichlorofluoromethane	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	U
Carbon disulfide	7.55	22.7	U
Iodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	U
trans-1,2-Dichloroethene	1.22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrile	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	U
Bromochloromethane	2.32	7.0	U
Chloroform	1.66	5.0	U
Carbon Tetrachloride	1.39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	U
Benzene	1.54	4.6	U
Propionitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	U
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1.53	4.6	U

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2-Nitropropane	2.95	8.9	U
Tetrachloroethene	0.76	2.3	U
4-Methyl-2-pentanone (MIBK)	3.82	11.5	U
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacrylate	1.51	4.5	U
Dibromochloromethane	2.16	6.5	U
1,3-Dichloropropane	2.06	6.2	U
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	U
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	U
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	U
o-Xylene	1.67	5.0	U
Bromoform	1.59	4.8	U
Styrene	1.80	5.4	U
Isopropylbenzene	1.54	4.6	U
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	U
2-Chlorotoluene	2.15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	U
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	U
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	U
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene	2.26	6.8	U
1,2-Dibromo-3-chloropropane	3.15	9.5	U
Nitrobenzene	20.00	60.0	U
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U

surrogate recoveries	1,2-Dichloroethane-d4	102
	Toluene-d8	101
	4-Bromofluorobenzene	93

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Sample ID	B-4		
Lab ID	DF536		
Collection Date	10/31/12		
Analysis Date	11/3/12		
Run No.	V1103010		
sample matrix	W		Calc'd
Compound	MDL	RL	result
Dichlorodifluoromethane	1.59	4.8	U
Chloromethane	1.32	4.0	U
Vinyl Chloride	1.71	5.1	U
Bromomethane	2.44	7.3	U
Chloroethane	7.47	22.4	U
Trichlorofluoromethane	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	U
Carbon disulfide	7.55	22.7	U
Iodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	U
trans-1,2-Dichloroethene	1.22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrile	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	U
Bromochloromethane	2.32	7.0	U
Chloroform	1.66	5.0	U
Carbon Tetrachloride	1.39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	U
Benzene	1.54	4.6	U
Propionitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	U
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1.53	4.6	U

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2-Nitropropane	2.95	8.9	U
Tetrachloroethene	0.76	2.3	U
4-Methyl-2-pentanone (MIBK)	3.82	11.5	U
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacrylate	1.51	4.5	U
Dibromochloromethane	2.16	6.5	U
1,3-Dichloropropane	2.06	6.2	U
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	U
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	453 E
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	9.06
o-Xylene	1.67	5.0	7.79
Bromoform	1.59	4.8	U
Styrene	1.80	5.4	230
Isopropylbenzene	1.54	4.6	1.57 J
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	U
2-Chlorotoluene	2.15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	U
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	U
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	U
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene	2.26	6.8	U
1,2-Dibromo-3-chloropropane	3.15	9.5	U
Nitrobenzene	20.00	60.0	U
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U

surrogate recoveries	1,2-Dichloroethane-d4	98
	Toluene-d8	102
	4-Bromofluorobenzene	94

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INSTRUMENT / METHOD BLANKS

Sample ID	Blank 1		
Analysis Date	11/3/12		
Run No.	V1103003		
sample matrix	W		Calc'd
Compound	MDL	RL	result
Dichlorodifluoromethane	1.59	4.8	U
Chloromethane	1.32	4.0	U
Vinyl Chloride	1.71	5.1	U
Bromomethane	2.44	7.3	U
Chloroethane	7.47	22.4	U
Trichlorofluoromethane	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	U
Carbon disulfide	7.55	22.7	U
Iodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	U
trans-1,2-Dichloroethene	1.22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrile	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	U
Bromochloromethane	2.32	7.0	U
Chloroform	1.66	5.0	U
Carbon Tetrachloride	1.39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	U
Benzene	1.54	4.6	U
Propionitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	U
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1.53	4.6	U
2-Nitropropane	2.95	8.9	U

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Tetrachloroethene	0.76	2.3	U
4-Methyl-2-pentanone (MIBK)	3.82	11.5	U
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacrylate	1.51	4.5	U
Dibromochloromethane	2.16	6.5	U
1,3-Dichloropropane	2.06	6.2	U
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	U
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	U
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	U
o-Xylene	1.67	5.0	U
Bromoform	1.59	4.8	U
Styrene	1.80	5.4	U
Isopropylbenzene	1.54	4.6	U
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	U
2-Chlorotoluene	2.15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	U
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	U
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	U
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene	2.26	6.8	U
1,2-Dibromo-3-chloropropane	3.15	9.5	U
Nitrobenzene	20.00	60.0	U
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U
GRO	42.6	127.7	U

surrogate recoveries	1,2-Dichloroethane-d4	104
	Toluene-d8	100
	4-Bromofluorobenzene	96

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LCS/Spike RESULTS

Spike Level ng/ml	Sample ID / Run No. / Compound	LCS 1 V1103004 LCS Sample Result	LCS Spike % Recovery
50	Vinyl chloride	37	74
50	1,1-Dichloroethene	48	96
50	1,1-Dichloroethane	44	88
50	cis-1,2-Dichloroethene	43	86
50	Chloroform	47	94
50	1,1,1-Trichloroethane	49	98
50	Benzene	40	80
50	Trichloroethene	40	80
50	Toluene	38	76
50	Tetrachloroethene	33	66
50	Chlorobenzene	39	78
50	Ethyl benzene	40	80
100	m&p-Xylene	84	84
50	o-Xylene	39	78
50	1,2,3-Trichloropropane	37	74
50	2-Chlorotoluene	36	72
50	1,2,4-Trimethylbenzene	40	80
50	1,3-Dichlorobenzene	38	76
50	1,2,4-Trichlorobenzene	37	74
50	Naphthalene	38	76
	surrogate recoveries	1,2-Dichloroethane-d4	115
		Toluene-d8	99
		4-Bromofluorobenzene	97

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MS/MSD and SAMPLE DUPLICATE RESULTS

(results are from the Instrument and not corrected for dilution)

	Sample ID	MW-4					
	Lab ID	DF533					
	Run No.	V1103005	V1103006		V1103007		
Spike Level ng/ml	Compound	Sample Results	MS Sample Result	MS Spike % Recovery	MSD Sample Result	MSD Spike % Recovery	RPD
50	1,1-Dichloroethene	0.0	48	96	47	94	2.1
50	1,1-Dichloroethane	0.0	41	82	39	78	5.0
51	Methyl-t-butyl ether (MTBE)	0.0	41	80	41	80	0.0
50	cis-1,2-Dichloroethene	0.0	40	80	40	80	0.0
50	1,1,1-Trichloroethane	0.0	43	86	41	82	4.8
50	Benzene	0.0	39	78	38	76	2.6
50	Trichloroethene	0.0	39	78	37	74	5.3
50	Toluene	0.0	39	78	38	76	2.6
50	Tetrachloroethene	0.0	38	76	38	76	0.0
50	Chlorobenzene	0.0	39	78	37	74	5.3
50	Ethyl benzene	0.2	40	80	38	76	5.1
100	m&p-Xylene	0.4	86	86	82	82	4.8
50	o-Xylene	0.0	40	80	38	76	5.1
50	1,3-Dichlorobenzene	0.0	39	78	37	74	5.3

APPENDIX E

CHAIN OF CUSTODY FORMS

S and S Onsite Analytical, Ltd.
7277 Township Rd. 95
Findlay, OH 45840
Phone 419-422-9796

Chain of Custody Record

Project No.	Project Name:	Location of Sampling Site
22150	22150	TROY, OH

Sampler (Signature): [signature]

Purchase Order NO.: 22150

No.	Sample Field I.D. No.	Date	Time	Comp	Grab	Matrix	No. of Cont.	Type Container	Preserve	Analysis and Method Requested: Method 8260 / Anal. VOCs	Lab ID No. (Filled in by lab)
1	MW4	10/31/12	1410		✓	WATER	2	40ml	HCl	✓	[illegible] 533
2	MW6	"	1420		✓	WATER	2	40ml	HCl	✓	534
3	MW13	"	1430		✓	WATER	2	40ml	HCl	✓	535
4	B4	"	1440		✓	WATER	2	40ml	HCl	✓	~~550~~ 536
5											
6											
7											
8											
9											
10											

Shipment Seal No.:

Remarks/Special Instructions (Detection Limit, Rush results Requested, etc.)

1. Relinquished by: (Signature)	Date/Time	1. Received by: (Signature)	2. Relinquished by: (Signature)	Date/Time	2. Received by: (Sig.)
[signature]	10/31/12 1730	[signature] 11/1/12			
3. Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Sig.)	Date/Time	Client ID Number:	
Seal intact at lab? ___Yes ___No		Report Results to:		Phone No.:	

S and S Onsite Analytical, Ltd.
7277 Township Rd. 95
Findlay, OH 45840
Phone 419-422-9796

Chain of Custody Record

Project No.	Project Name:	Location of Sampling Site
22150	Deltech	TROY, OH

Sampler (Signature): Tom Greetis

Purchase Order NO.

Analysis and Method Requested

Shipment Seal No.

No.	Sample Field I.D. No.	Date	Time	Comp	Grab	Matrix	No. of Cont.	Type Container	Preserve	Anal. Method: 8260 / VOCs	Lab ID No. (Filled in by lab)
1	B-1 0-4	9/19	0920		X	Soil	1	Glass 4oz	ice	X	NF 453
2	B-1 15	↓	0950		X	↓	↓	↓	↓	↓	454
3	B-2 8-12	↓	1040		X						455
4	B-3 16-20	9/20	1020		X						456
5	B-4 0-4	↓	1050		X						457
6	B-4 12-16	↓	1120		X	↓	↓	↓	↓	↓	458
7											
8											
9											
10											

Remarks/Special Instructions (Detection Limit, Rush results Requested, etc.)

1. Relinquished by: (Signature)	Date/Time	1. Received by: (Signature)	2. Relinquished by: (Signature)	Date/Time	2. Received by: (Sig.)
T. Kline	9-24-12	[signature] 9/25/12			
3. Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Sig.)	Date/Time	Client ID Number:	
Seal intact at lab? ___Yes ___No		Report Results to: info@kilbarenv.com		Phone No.: 513-874-6650	

APPENDIX F

DISPOSAL DOCUMENTATION

NO UST EXCAVATION WAS CONDUCTED

CLOSURE IN-PLACE

NO DISPOSAL ACTIVITIES

APPENDIX G

MISCELLANEOUS DATA

ernst concrete

269490

502525

TO JOB	10:34
ON JOB	10:36
POUR	
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

_____ GALS FULL LOAD

_____ GALS 2/3 LOAD

_____ GALS 1/3 LOAD

TEST RESULTS _____

AIR % _____

SLUMP _____

CONC. TEMP. _____

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays and Saturday deliveries.

COLLECTION: In the event legal action is commenced to collect payment, Purchaser agrees to pay all reasonable attorneys fees and court costs and interest shall accrue at the rate of 1½% per month on all past due balances.

WARRANTY DISCLAIMER: All warranties either express or implied are void if water is added to the concrete to increase the slump over the maximum limit indicated below or if the concrete has been on the truck for more than 90 minutes. Our concrete strength guarantee per ASTM C-94 will not be effective unless field sampling and handling has been done per ASTM C-172 and ASTM C-31 and the test lab complies with ASTM C-39 and ASTM-329.

OFF ROAD DELIVERIES: If Purchaser orders delivery beyond the paved street or curb line, the Purchaser states that he or she has full authority to permit delivery to the requested delivery site and agrees to provide adequate roadways or approaches to the points of delivery. The Purchaser understands that Ernst does not assume any liability or responsibility for any damage to real or personal property caused by the concrete truck when it leaves the available paved street or curb line. The Purchaser agrees to hold harmless Ernst for any such property loss or damage incurred as a result of this delivery and also agrees to indemnify Ernst for any damage to Ernst's equipment or other loss caused by any condition on the property, including wrecker charges for any concrete truck that becomes stuck.

X Bun Bitzer/KEI

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME		CUST #	P.O #
12/18/12	DELTECH POLYMERS CORP		00038291	15392
TICKET #	**DELIVERY ADDRESS**	**STATE**	**CNTY**	**CITY**
502525	1250 S. UNION ST			TROY

INSTRUCTIONS

JOB @ DELTECH AROSS THE TRACKS

SPECIAL INST./DRIVER COMMENTS

PREV TRK 596

PLT #	TRK #	DRIVER/TRANS	SLUMP	TIME DUE	WORK TYPE	ORD #
51	617	BINGAMON, SCOTT	8.00	10:48	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	100.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	10.00	1.00	FUEL SURCHARGE		
10.00	CY	100.00	1.00	WINTER CHARGE		

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

CUSTOMER COPY

SUBTOTAL	
TAX	
TOTAL	

ernst concrete

269489

502524

TO JOB	10:23
ON JOB	10:26
POUR	10:49
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

____ GALS FULL LOAD

____ GALS 2/3 LOAD

____ GALS 1/3 LOAD

TEST RESULTS

AIR % ____

SLUMP ____

CONC. TEMP ____

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

COLLECTION: In the event legal action is commenced to collect payment, Purchaser agrees to pay all reasonable attorneys fees and court costs and interest shall accrue at the rate of 1½% per month on all past due balances.

WARRANTY DISCLAIMER: All warranties either express or implied are void if water is added to the concrete to increase the slump over the maximum limit indicated below or if the concrete has been on the truck for more than 90 minutes. Our concrete strength guarantee per ASTM C-94 will not be effective unless field sampling and handling has been done per ASTM C-172 and ASTM C-31 and the test lab complies with ASTM C-39 and ASTM-329.

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X Brian Butler/KFI

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME		CUST #		P.O. #
12/18/12	DELTECH POLYMERS CORP		00038291		15392
TICKET #	DELIVERY ADDRESS		STATE	CNTY	CITY
502524	1250 S. UNION ST				TROY

INSTRUCTIONS: JOB @ DELTECH AROSS THE TRACKS/

SPECIAL INST./DRIVER COMMENTS

PREV TRK: 568

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD #
51	596	MORAN, RYAN	8.00	10:36	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	90.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	9.00	1.00	FUEL SURCHARGE		
10.00	CY	90.00	1.00	WINTER CHARGE		

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

SUBTOTAL

TAX

TOTAL

CUSTOMER COPY

ernst concrete

269488

502523

TO JOB	10 10
ON JOB	10 20
POUR	10 34
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

____ GALS FULL LOAD

____ GALS 2/3 LOAD

____ GALS 1/3 LOAD

TEST RESULTS ____

AIR % ____

SLUMP ____

CONC. TEMP ____

TERMS AND CONDITIONS

ADDITIONAL CHARGES. An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

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x Brian Bishop

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME	CUST #	P.O. #
12/18/12	DELTECH POLYMERS CORP	00038291	15392

TICKET #	DELIVERY ADDRESS	STATE	CNTY	CITY
502523	1250 S. UNION ST			TROY

INSTRUCTIONS: JOB @ DELTECH ACROSS THE TRACKS

SPECIAL INST./DRIVER COMMENTS

PREV TRK: 634

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD #
51	568	JENKINS, DALE	8.00	10:24	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	80.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	8.00	1.00	FUEL SURCHARGE		
10.00	CY	80.00	1.00	WINTER CHARGE		

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

SUBTOTAL

TAX

TOTAL

CUSTOMER COPY

ernst concrete

269487

502522

TO JOB	10:10
ON JOB	10:12
POUR	10:17
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

/ GALS FULL LOAD

/ GALS 2/3 LOAD

/ GALS 1/3 LOAD

TEST RESULTS

AIR %

SLUMP

CONC. TEMP

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

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x Brian Baker IKEI

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME	CUST.#	P.O.#
12/18/12	DELTECH POLYMERS CORP	00038291	15392

TICKET #	DELIVERY ADDRESS	STATE	CNTY	CITY
502522	1250 S. UNION ST			TROY

INSTRUCTIONS: JOB @ DELTECH AROSS THE TRACKS

SPECIAL INST./DRIVER COMMENTS

PREV TRK: 584

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD.#
51	634	BAKER, STEVE	8.00	10:12	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	70.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	7.00	1.00	FUEL SURCHARGE		
10.00	CY	70.00	1.00	WINTER CHARGE		

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

SUBTOTAL

TAX

TOTAL

CUSTOMER COPY

ernst concrete

269486

502521

TO JOB	9:58
ON JOB	10:01
POUR	10:05
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

____ GALS FULL LOAD

____ GALS 2/3 LOAD

____ GALS 1/3 LOAD

TEST RESULTS

AIR % ____

SLUMP ____

CONC. TEMP ____

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

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X Brian Butler / KEI

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME	CUST #	P.O. #
12/18/12	DELTECH POLYMERS CORP	00038291	15392

TICKET #	DELIVERY ADDRESS	STATE	CNTY	CITY
502521	1250 S. UNION ST			TROY

INSTRUCTIONS: JOB @ DELTECH AROSS THE TRACKS

SPECIAL INST/DRIVER COMMENTS

PREV TRK: 596

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD #
51	584	LOPER, BRUCE	8.00	10:00	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	60.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	6.00	1.00	FUEL SURCHARGE		
10.00	CY	60.00	1.00	WINTER CHARGE		

SUBTOTAL

TAX

TOTAL

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

CUSTOMER COPY

ernst concrete

269484

502519

TO JOB	9 46
ON JOB	9 49
POUR	9 55
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

____ GALS FULL LOAD

____ GALS 2/3 LOAD

____ GALS 1/3 LOAD

TEST RESULTS

AIR % ____

SLUMP ____

CONC. TEMP ____

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

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x Brian Bailey / KEI

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME	CUST.#	P.O.#
12/18/12	DELTECH POLYMERS CORP	00038291	15392

TICKET #	DELIVERY ADDRESS	STATE	CNTY	CITY
502519	1250 S. UNION ST			TROY

INSTRUCTIONS: JOB @ DELTECH AROSS THE TRACKS

SPECIAL INST./DRIVER COMMENTS

PREV TRK: 568

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD #
51	596	MORAN, RYAN	8.00	9:48	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	50.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	5.00	1.00	FUEL SURCHARGE		
10.00	CY	50.00	1.00	WINTER CHARGE		

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

SUBTOTAL

TAX

TOTAL

CUSTOMER COPY

269483

ernst concrete

502518

TO JOB	9:40
ON JOB	9:43
POUR	9:46
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.) 10

_____ GALS FULL LOAD

_____ GALS 2/3 LOAD

_____ GALS 1/3 LOAD

TEST RESULTS _____

AIR % _____

SLUMP _____

CONC. TEMP _____

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

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X Brian Bixler

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME	CUST #	P.O. #
12/18/12	DELTECH POLYMERS CORP	00038291	15392

TICKET #	DELIVERY ADDRESS	STATE	CNTY	CITY
502518	1250 S. UNION ST			TROY

INSTRUCTIONS: JOB @ DELTECH AROSS THE TRACKS

SPECIAL INST./DRIVER COMMENTS

PREV TRK 584

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD #
51	568	JENKINS, DALE	8.00	9:36	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	40.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	4.00	1.00	FUEL SURCHARGE		
10.00	CY	40.00	1.00	WINTER CHARGE		

SUBTOTAL

TAX

TOTAL

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

CUSTOMER COPY

269480

ernst concrete

502515

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

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X Bi Butz/KEI

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

TO JOB	9:09
ON JOB	9:12
POUR	9:28
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

35 GALS FULL LOAD

____ GALS 2/3 LOAD

____ GALS 1/3 LOAD

TEST RESULTS ____

AIR % ____

SLUMP ____

CONC. TEMP ____

DATE	CUSTOMER NAME	CUST #	P.O. #
12/18/12	DELTECH POLYMERS CORP	00038291	15392

TICKET #	DELIVERY ADDRESS	STATE	CNTY	CITY
502515	1250 S. UNION ST			TROY

INSTRUCTIONS: JOB @ DELTECH AROSS THE TRACKS

SPECIAL INST./DRIVER COMMENTS

PREV TRK: 596

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD #
51	584	LOPER, BRUCE	8.00	9:24	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	30.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	3.00	1.00	FUEL SURCHARGE		
10.00	CY	30.00	1.00	WINTER CHARGE		

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

SUBTOTAL

TAX

TOTAL

CUSTOMER COPY

ernst concrete

269479

502514

TO JOB	9:02
ON JOB	9:05
POUR	9:17
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

_____ GALS FULL LOAD

_____ GALS 2/3 LOAD

_____ GALS 1/3 LOAD

TEST RESULTS _____

AIR % _____

SLUMP _____

CONC. TEMP _____

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

COLLECTION: In the event legal action is commenced to collect payment, Purchaser agrees to pay all reasonable attorneys fees and court costs and interest shall accrue at the rate of 1½% per month on all past due balances.

WARRANTY DISCLAIMER: All warranties either express or implied are void if water is added to the concrete to increase the slump over the maximum limit indicated below or if the concrete has been on the truck for more than 90 minutes. Our concrete strength guarantee per ASTM C-94 will not be effective unless field sampling and handling has been done per ASTM C-172 and ASTM C-31 and the test lab complies with ASTM C-39 and ASTM-329.

OFF ROAD DELIVERIES: If Purchaser orders delivery beyond the paved street or curb line, the Purchaser states that he or she has full authority to permit delivery to the requested delivery site and agrees to provide adequate roadways or approaches to the points of delivery. The Purchaser understands that Ernst does not assume any liability or responsibility for any damage to real or personal property caused by the concrete truck when it leaves the available paved street or curb line. The Purchaser agrees to hold harmless Ernst for any such property loss or damage incurred as a result of this delivery and also agrees to indemnify Ernst for any damage to Ernst's equipment or other loss caused by any condition on the property, including wrecker charges for any concrete truck that becomes stuck.

x Brian Ruth /KEI

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME	CUST #	PO #
12/18/12	DELTECH POLYMERS CORP	00038291	15392

TICKET #	DELIVERY ADDRESS	STATE	CNTY	CITY
502514	1250 S. UNION ST			TROY

INSTRUCTIONS: JOB @ DELTECH ACROSS THE TRACKS

SPECIAL INST./DRIVER COMMENTS

PREV TRK: 568

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD #
51	596	MORAN, RYAN	8.00	9:12	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	20.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	2.00	1.00	FUEL SURCHARGE		
10.00	CY	20.00	1.00	WINTER CHARGE		

SUBTOTAL

TAX

TOTAL

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

CUSTOMER COPY

ernst concrete

269478

502513

TO JOB	854
ON JOB	854
POUR	908
WASH	
TO PLANT	
IN YARD	

WATER ADDED AT CUSTOMER'S RISK

WATER ADDED (GAL.)

30 GALS FULL LOAD

____ GALS 2/3 LOAD

____ GALS 1/3 LOAD

TEST RESULTS ____

AIR % ____

SLUMP ____

CONC. TEMP ____

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge ($60 per hour) may be added if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveries.

COLLECTION: In the event legal action is commenced to collect payment, Purchaser agrees to pay all reasonable attorneys fees and court costs and interest shall accrue at the rate of 1½% per month on all past due balances.

WARRANTY DISCLAIMER: All warranties either express or implied are void if water is added to the concrete to increase the slump over the maximum limit indicated below, or if the concrete has been on the truck for more than 90 minutes. Our concrete strength guarantee per ASTM C-94 will not be effective unless field sampling and handling has been done per ASTM C-172 and ASTM C-31 and the test lab complies with ASTM C-39 and ASTM-329.

OFF ROAD DELIVERIES: If Purchaser orders delivery beyond the paved street or curb line, the Purchaser states that he or she has full authority to permit delivery to the requested delivery site and agrees to provide adequate roadways or approaches to the points of delivery. The Purchaser understands that Ernst does not assume any liability or responsibility for any damage to real or personal property caused by the concrete truck when it leaves the available paved street or curb line. The Purchaser agrees to hold harmless Ernst for any such property loss or damage incurred as a result of this delivery and also agrees to indemnify Ernst for any damage to Ernst's equipment or other loss caused by any condition on the property, including wrecker charges for any concrete truck that becomes stuck.

x Bc Bjf / KDI

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

DATE	CUSTOMER NAME	CUST #	P.O. #
12/18/12	DELTECH POLYMERS CORP	00038291	15392

TICKET #	DELIVERY ADDRESS	STATE	CNTY	CITY
502513	1250 S. UNION ST			TROY

INSTRUCTIONS: JOB @ DELTECH AROSS THE TRACKS

SPECIAL INST./DRIVER COMMENTS

PREV TRK

PLT #	TRK #	DRIVER NAME	SLUMP	TIME DUE	WORK TYPE	ORD #
51	568	JENKINS, DALE	8.00	9:00	BACK FILL	24867

LOAD QUANTITY	UNIT OF MEASURE	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
10.00	yd	10.00	100.01	LOW STRENGTH MORTAR ODOT		
1.00	LD	1.00	1.00	FUEL SURCHARGE		
10.00	CY	10.00	1.00	WINTER CHARGE		

WARNING: WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

SUBTOTAL

TAX

TOTAL

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TROY OH 45373

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CHICAGO IL 60604-3511
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77 W JACKSON BLVD
CHICAGO IL 60604 3511
IL 606 9 – 04
1Z46477E0344023193

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UNDERGROUND STORAGE TANK SECTIO
77 W JACKSON BLVD
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UPS GROUND
TRACKING #: 1Z 454 77E 03 4402 3193

BILLING: P/P

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